

CATALOGUE

OF THE

OFFICERS AND STUDENTS

OF

YALE COLLEGE,

With a Statement of the Course of Instruction in the
Various Departments,

1877-78

NEW HAVEN:

TUTTLE, MOREHOUSE & TAYLOR, PRINTERS

1877

ABBREVIATIONS

A.	-	-	-	-	-	-	-	Absent on leave
C.	-	-	-	-	-	-	-	Old Chapel
D.	-	-	-	-	-	-	-	Durfee College
E. D. H.	-	-	-	-	-	-	-	East Divinity Hall
F.						-	-	Farnam College
L.		-	-	-	-	-	-	Lyceum
N.	-	-	-	-	-	-	-	North College
N. M.	-	-	-	-	-			North Middle College
N. S. H.	-	-	-	-	-			North Sheffield Hall
S.	-	-	-	-	-	-	-	South College
S. H.	-	-	-	-	-	-	-	Sheffield Hall
S. M.	-	-	-	-	-			South Middle College
TR.	-	-	-	-	-	-	-	Treasury Building
W. D. H.	-	-	-	-	-	-	-	West Divinity Hall

Upon the College Square, the rooms numbered from 1 to 32 are in South College; from 33 to 64 in South Middle College; from 65 to 96 in North Middle College; from 97 to 128 in North College; from 129 to 177 in Farnam College; from 178 to 185 in the Lyceum; from 186 to 200 in the Old Chapel; from 201 to 240 in Durfee College.

The rooms in East Divinity Hall are numbered from 1 to 54; in West Divinity Hall from 55 to 124.

The rooms in Sheffield Hall are numbered from 1 to 22; in North Sheffield Hall from 28 to 58.

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CALENDAR

1877

13 Sept.	Thursday	FIRST ACADEMICAL TERM begins.
4 Oct.	Thursday	Winter Term, Department of Medicine, begins.
20 Dec.	Thursday	FIRST TERM ends.

1878

Winter Vacation of three weeks.

10 Jan.	Thursday	SECOND ACADEMICAL TERM begins.
31 Jan.	Thursday	Winter Term, Department of Medicine, ends.
14 Feb.	Thursday	Spring Term, Dep't. of Medicine, begins.
28 March	Thursday	Winter Term, Department of Law, ends.
11 April	Thursday	Spring Term, Department of Law, begins.
11 April	Thursday	Junior Exhibition.
17 April	Wednesday	SPRING RECESS begins.
24 April	Wednesday	SPRING RECESS ends.
6 May	Monday	Berkeley Scholarship Examination.
14, 15 May	Tuesd., Wedn.	Annual Examination, Dep't of Theology.
16 May	Thursday	Anniversary, Department of Theology.
20 May	Monday	Woolsey Scholarship Examination begins.
20 May	Monday	Winthrop Prize Examination.
23 June	Sunday	Baccalaureate Sermon.
24 June	Monday	Anniversary of the Department of Medicine.
25 June	Tuesday	Anniversary of the Sheffield Scientific School.
25 June	Tuesday	Presentation for Degrees, Acad. Department.
26 June	Wednesday	Anniversary of the Society of Alumni.
26 June	Wednesday	Anniversary of the Department of Law.
27 June	Thursday	COMMENCEMENT.
28, 29 June } 1 July }	Fri., Sat., Mon.	Examination for admission to the Academic Department.
28, 29 June	Friday, Sat.	Examination for admission to the Sheffield Scientific School.

Summer Vacation of eleven weeks.

10, 11 Sept.	Tuesd., Wedn.	Examination for admission.
12 Sept.	Thursday	FIRST ACADEMICAL TERM begins.
26 Sept.	Thursday	Fall Term, Department of Law, begins.
3 Oct.	Thursday	Winter Term, Dep't. of Medicine, begins.
19 Dec.	Thursday	FIRST TERM ends.

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John Francis Humphreys }	<i>Utica, N. Y.</i>	24 E. D. H.
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William Beardsley Hubbard, B.A. } Beloit College	<i>Pecatonica, Ill.</i>	124 W. D. H.
William Pari Huws } Bala College	<i>Dolyddelen, Wales,</i>	14 E. D. H.

William White Leete, B.A. }	<i>Orange</i>	105 W. D. H.
Amherst College }		
Samuel Lane Loomis, B.A. }	<i>Bedford, Mass.</i>	109 W. D. H.
Amherst College }		
Charles Albert Marsh, B.A. }	<i>Chicago, Ill.</i>	28 E. D. H.
Oberlin College }		
Alfred Moses Masenheimer }	<i>Egypt, Pa.</i>	46 E. D. H.
Palatinate College }		
Franklin Horatio Nibecker, B.A. }	<i>Buffalo, N. Y.</i>	99 W. D. H.
Hillsdale College }		
Robert Samuel Padan, B.A. }	<i>Portsmouth, O.</i>	47 E. D. H.
Marietta College }		
Luman Augustine Pettibone, B.A. }	<i>Chicago, Ill.</i>	122 W. D. H.
Beloit College }		
Thomas Talwyn Phillips }	<i>Pencader, Wales,</i>	14 E. D. H.
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George William Reynolds, B.A. }	<i>Farmington, Me.</i>	77 W. D. H.
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Oliver Haws Strunck, B.A. }	<i>Bayertown, Pa.</i>	101 W. D. H.
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Arthur Samuel Thompson, B.A. }	<i>Nashua, N. H.</i>	121 W. D. H.
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SUMMARY.

RESIDENT LICENTIATES	5
SENIOR CLASS	33
MIDDLE CLASS	30
JUNIOR CLASS	39
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Oswin Hinkley Tuttle	<i>New Haven</i>	201 Orange st.
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JUNIORS, 24

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Edward Cassius Wemple	<i>Brooklyn, N. Y.</i>	121 Park st.

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Thomas Henry Dewey, LL.B.	<i>West Haven</i>	49 Church st.
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George Washington Dungan, B.A. } Iowa College	<i>Oskaloosa, Iowa</i>	11 Martin st.
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Burgess Scott Hurtt	<i>New Haven</i>	148 F.
William Knowles James	<i>Hamburg, Iowa</i>	103 N.
Tudor Storrs Jenks	<i>Brooklyn, N. Y.</i>	235 D.
John Gould Jennings	<i>Cleveland, O.</i>	206 D.
Carlton Rogers Jewett	<i>Moravia, N. Y.</i>	6 S.
Ernest Clifton Johnson	<i>Walton, N. Y.</i>	8 S.
John Quincy Adams Johnson	<i>Newburyport, Mass.</i>	149 F.
Philip Keller	<i>Ashland, Pa.</i>	90 N. M.
Edward Browning Kellogg	<i>Colchester</i>	1 S.
Clarence Hill Kelsey	<i>Bridgeport</i>	168 F.
George Tapscott Knott	<i>Springfield, Mo.</i>	163 F.
Henry Winslow Lamb	<i>New Haven</i>	1 S.
James McCormick Lamberton	<i>Harrisburg, Pa.</i>	237 D.
Frederick Benjamin Lathrop	<i>Tolland</i>	26 S.
William Henry Law	<i>New Haven</i>	227 D.
Harry Bruce McCarroll	<i>Morristown, N. J.</i>	7 S.
John Prouty McCune	<i>Columbus, O.</i>	11 S.
Frank Virgil McDonald	<i>San Francisco, Cal.</i>	98 N.
John Irving McDonald	<i>St. Joseph, Mo.</i>	106 N.
James Briggs McEwan	<i>Albany, N. Y.</i>	14 S.
Walter Lee Merwin	<i>Durham</i>	97 N.
Philip Washburn Moen	<i>Worcester, Mass.</i>	206 D.
Royal Corban Moodie	<i>East Craftsbury, Vt.</i>	103 N.
Samuel Merrill Moores	<i>Indianapolis, Ind.</i>	22 S.
Edward Lind Morse	<i>Poughkeepsie, N. Y.</i>	213 D.
Thomas Ephraim Mower	<i>Litchfield</i>	231 D.
George Smith Palmer	<i>Montville</i>	146 F.
Charles Parsons	<i>New York City</i>	212 D.
John Northrup Peet	<i>Brooklyn, N. Y.</i>	202 D.
James Protus Pigott	<i>New Haven</i>	90 N. M.
George Edward Pollock	<i>Pittsfield, Mass.</i>	238 D.
John Addison Porter	<i>New Haven</i>	232 D.
Frederick Potter	<i>New York City</i>	224 D.
Warren Aaron Ransom	<i>New York City</i>	29 S.
Edward Enoch Reed	<i>Columbia, S. C.</i>	20 S.
Alfred Lawrence Ripley	<i>Andover, Mass.</i>	213 D.
William Ruggles Sanborn	<i>New Haven</i>	17 Court st.
Lawrence Henry Schwab	<i>Fordham, N. Y.</i>	214 D.
William Benton Scranton	<i>New Haven</i>	114 High st.
Edward Howard Seely	<i>Brooklyn, N. Y.</i>	210 D.
Charles Herbert Shaw	<i>New York City</i>	216 D.

Charles Sidney Shepard	<i>Buffalo, N. Y.</i>	210 D.
Allton Harvey Sherman	<i>Eastford</i>	25 S.
Walter Gaston Shotwell	<i>Cadiz, O.</i>	144 George st.
Edward Wier Smith	<i>West Meriden</i>	166 F.
Edwin Whittier Smith	<i>Pittsburgh, Pa.</i>	216 D.
Charles Langford Spencer	<i>St. Paul, Minn.</i>	10 S.
Clinton Spencer	<i>Suffield</i>	151 F.
Walter Squires	<i>New York City</i>	218 D.
Henry Judson Starr	<i>Peoria, Ill.</i>	137½ York st.
Charles Martin Stone	<i>Binghamton, N. Y.</i>	10 S.
Edgar Heathcote Stone	<i>Sioux City, Iowa</i>	12 S.
Theodore Chester Strong	<i>Pittston, Pa.</i>	152 F.
William Howard Taft	<i>Cincinnati, O.</i>	13 S.
Inajiro Taneka Tajiri	<i>Kagoshima, Japan</i>	6 Trumbull st.
Arthur Bailey Taylor	<i>Springfield, Mass.</i>	202 D.
William Henry Taylor	<i>Chicago, Ill.</i>	173 F.
William Howard Taylor	<i>Brookline, Mass.</i>	201 D.
Joseph Irving Tayntor	<i>Marlboro', Mass.</i>	69 N. M.
Edmund Roderick Terry	<i>Brooklyn, N. Y.</i>	31 S.
Joseph Almon Ticknor	<i>New Marlboro', Mass.</i>	157 F.
George Trowbridge	<i>New York City</i>	2 S.
John Trumbull	<i>Valparaiso, Chili</i>	164 F.
James Riedell Tucker	<i>Durham</i>	25 S.
Cyrus Calhoun Turner	<i>Washington, Ind.</i>	A.
Harold Sheffield Van Buren	<i>Englewood, N. J.</i>	212 D.
William Allen Van Buren	<i>Cincinnati, O.</i>	27 S.
Ambrose Lee Wager	<i>Rhinebeck, N. Y.</i>	149 F.
George Richard Walker	<i>Akron, O.</i>	104 N.
William Everett Waters	<i>Cincinnati, O.</i>	104 N.
Benjamin Rush Wendell	<i>Cazenovia, N. Y.</i>	220 D.
Frank Baldwin Wesson	<i>New York City</i>	239 D.
Edward Baldwin Whitney	<i>New Haven</i>	12 S.
George Patten Whittlesey	<i>Washington, D. C.</i>	129 F.
Marion Wilcox	<i>New Haven</i>	6 S.
Reynold Webb Wilcox	<i>Madison</i>	108 N.
Charles Putnam Woodbury	<i>Norwalk</i>	172 F.
Clarence Samuel Woodruff	<i>Wilkes Barre, Pa.</i>	15 S.
Thomas Cook Wordin	<i>Bridgeport</i>	172 F.
Rudolf Wurts	<i>New Haven</i>	204 D.
William Lawrence Ross Wurts	<i>Paterson, N. J.</i>	204 D.

SENIORS, 133

JUNIOR CLASS

Charles Francis Aldrich	<i>Worcester, Mass.</i>	159 F.
Otis Elihu Atwater	<i>Brattleboro, Vt.</i>	113 N.
Hugh Dudley Auchincloss	<i>New York City</i>	147 F.
William Ward Bailey	<i>New Haven</i>	150 F.
Ralph Barker	<i>New York City</i>	159 F.
Thomas Rossiter Barnum	<i>New Haven</i>	144 Humphrey st.
Augustus Wood Bell	<i>Morristown, N. J.</i>	25 College st.
Poultney Bigelow	<i>Highland Falls, N. Y.</i>	117 W. D. H.
Edward Tyler Blair	<i>Chicago, Ill.</i>	223 D.
Louis Norman Booth	<i>Bridgeport</i>	82 Wall st.
Edward Augustus Bowers	<i>New Haven</i>	132 F.
Lloyd Wheaton Bowers	<i>Elizabeth, N. J.</i>	132 F.
Lorenzo Cary Brooks	<i>Chicago, Ill.</i>	162 F.
William Livingston Bruen	<i>New York City</i>	139 F.
Harry Austin Buffum	<i>Great Falls, N. H.</i>	156 F.
Jonathan Bulkley	<i>Brooklyn, N. Y.</i>	225 D.
Lucien Francis Burpee	<i>Rockville</i>	92 N. M.
Henry Allen Bushnell	<i>Old Saybrook</i>	76 N. M.
Donald Yorke Campbell	<i>Oakland, Cal.</i>	222 D.
Augustus Stiles Carrier	<i>Erie, Pa.</i>	88 N. M.
Ernest Carter	<i>Chicago, Ill.</i>	215 D.
Elie Stacey Charlier	<i>New York City</i>	82 Wall st.
Chun Lung	<i>Hien Shang, China</i>	154 F.
Aaron Van Schaick Cochrane	<i>Coxsackie, N. Y.</i>	76 N. M.
Oliver Turnbull Crane	<i>Morristown, N. J.</i>	134 F.
Henry Cooper Crouch	<i>Kingston, N. Y.</i>	131 F.
John Guy Crump	<i>New London</i>	234 D.
John William Curtiss	<i>Watertown</i>	145 F.
Julian Wheeler Curtiss	<i>Fairfield</i>	145 F.
David Daggett	<i>New Haven</i>	60 Wall st.
Louis Shepard DeForest	<i>New Haven</i>	19 Compton st.
Henry Herbert Donaldson	<i>New York City</i>	229 D.
James Webster Eaton	<i>Albany, N. Y.</i>	134 F.
Newell Avery Eddy	<i>Bangor, Me.</i>	211 D.
Gerard Morris Edwards	<i>New York City</i>	73 N. M.
Frank Clifton Fairchild	<i>Newark, N. J.</i>	219 D.
John Villiers Farwell	<i>Chicago, Ill.</i>	223 D.
David Fleischman	<i>Albany, N. Y.</i>	167 F.
Samuel Peters Fosdick	<i>Stamford</i>	144 F.
George Forris Foster	<i>Grand Rapids, Mich.</i>	225 D.
Samuel Monell Foster	<i>Newburgh, N. Y.</i>	174 F.
Edward Stacy Fowler	<i>Millbury, Mass.</i>	75 N. M.
John Milton Fox	<i>Salem</i>	158 F.
John Lester Franklin	<i>New Haven</i>	118 N.
Roscoe Rush Giltner	<i>Portland, Oregon</i>	114 N.
Henry Sherwood Green	<i>New Milford</i>	4 S.

Robert Ryers Griswold	<i>Binghamton, N. Y.</i>	143 F.
Otis Clay Hadley	<i>Danville, Ind.</i>	226 D.
Amos Lawrence Hatheway	<i>Willimantic</i>	143 F.
William Whitney Hawkes	<i>New Haven</i>	24 S.
Howard Wortley Hayes	<i>Newark, N. J.</i>	24 S.
Edwin Cooper Haynie	<i>Springfield, Ill.</i>	222 D.
John Jacob Hill	<i>Pittsburgh, Pa.</i>	133 F.
James William Hillhouse	<i>Montville</i>	65 W. D. H.
Henry Hitchcock	<i>St. Louis, Mo.</i>	215 D.
Louis Howland	<i>Indianapolis, Ind.</i>	177 F.
Frank Eldridge Hyde	<i>Hartford</i>	226 D.
Lewis Huntington Hyde	<i>Norwich</i>	219 D.
Walter Belknap James	<i>Baltimore, Md.</i>	221 D.
Frank Jones	<i>Kansas City, Mo.</i>	127 Ward st.
Herbert Samuel Jones	<i>South Sudbury, Mass.</i>	3 S.
Elisha Brooks Joyce	<i>New York City</i>	135 F.
Bruce Smith Keator	<i>Roxbury, N. Y.</i>	4 S.
John William Keller	<i>Paris, Ky.</i>	32 S.
George Morrill Kimball	<i>Concord, N. H.</i>	142 F.
Samuel Ayr Kimball	<i>Bath, Me.</i>	208 D.
George Washington Kirchwey	<i>Albany, N. Y.</i>	141 F.
Gilbert Dimock Lamb	<i>Franklin</i>	113 N.
Charles Henry Leete	<i>Potsdam, N. Y.</i>	140 F.
George Lester Lewis	<i>Buffalo, N. Y.</i>	140 F.
George Sigmund Linde	<i>New Haven</i>	135 Congress av.
Charles Herbert Livermore	<i>North Haven</i>	119 N.
Edmund Pendleton Livingston	<i>New York City</i>	144 F.
Herman Livingston	<i>New York City</i>	432 Chapel st.
Harry Lyne	<i>Augusta, Ill.</i>	131 F.
George Lodowick McAlpine	<i>New York City</i>	432 Chapel st.
Hugh Copeland McCord	<i>Brooklyn, N. Y.</i>	208 D.
Malcolm McIvor McKenzie	<i>New Haven</i>	244 Orchard st.
Henry Hubbell McNair	<i>Lima, N. Y.</i>	71 York st.
Henry Maltzberger	<i>Reading, Pa.</i>	32 S.
Frank Wanzer Marsh	<i>New Milford</i>	75 N. M.
Thomas Brunton Marston	<i>Chicago, Ill.</i>	135 F.
Charles Baynard Martin	<i>Milwaukee, Wisc.</i>	157 George st.
Ivan Matthias Marty	<i>Kansas City, Mo.</i>	176 F.
Charles Loveland Merriam	<i>West Meriden</i>	17 S.
William Carter Merritt	<i>Oakland, Cal.</i>	176 F.
James Stetson Metcalfe	<i>Buffalo, N. Y.</i>	234 D.
Charles Miller	<i>Williston, Vt.</i>	124 N.
George Douglas Munson	<i>Wallingtonford</i>	119 N.
Robert Hallam Munson	<i>Williamsport, Pa.</i>	74 N. M.
John James Nairn	<i>Washington, D. C.</i>	138 F.
Howard Dunlap Newton	<i>Norwich, N. Y.</i>	142 F.
Edgar Barlow Nichols	<i>Easton</i>	71 N. M.
Edward McArthur Noyes	<i>Woodbury</i>	72 N. M.
William Newton Parker	<i>New Haven</i>	229 D.

Charles Booth Peck	Bridgeport	3 S.
Isaac Peck	Flushing, N. Y.	177 F.
Charles Rollin Pence	Peru, Ind.	67 W. D. H.
William Warner Penfield	New York City	Tontine Hotel
John Orlando Perrin	La Fayette, Ind.	228 D.
Lewis Alfred Platt	Waterbury	123 N.
Adrian Suydam Polhemus	Astoria, N. Y.	161 F.
Thomas Edward Rochfort	New Haven	74 N. M.
Robert Simpson Rodman	Rock Island, Ill.	161 F.
Henry Lincoln Rowland	Southport	88 N. M.
Henry Chauncey Savage	Philadelphia, Pa.	464 Chapel st.
William Graydon Seeley	Brooklyn, N. Y.	228 D.
Severyn Bruyn Sharpe	Kingston, N. Y.	233 D.
Albert William Shaw	Buffalo, N. Y.	87 N. M.
John Woodruff Shepard	Hartford	71 N. M.
Frederic Thomas Simpson	Bath, Me.	72 N. M.
Frederick Sumner Smith	New Haven	78 Trumbull st.
George Waldo Flint Smith	Potsdam, N. Y.	158 F.
William Henry Smith	Wilmington, Del.	156 F.
Alpheus Henry Snow	Hartford	111 W. D. H.
John George Christopher Sonn	Newark, N. J.	118 N.
Edward Southworth	West Springfield, Mass.	23 S.
Louis Lee Stanton	New York City	230 D.
Thomas Wells Stiles	New Haven	221 D.
Frederic Abbot Stokes	Detroit, Mich.	28 S.
Willis Edson Story	Milwaukee, Wisc.	209 D.
Delevan Sumner Sweet	Phoenix, N. Y.	91 N. M.
Louis Judson Swinburne	Albany, N. Y.	46 Prospect st.
Louis DuPont Syle	Yedo, Japan	160 F.
Henry James Ten Eyck	Albany, N. Y.	230 D.
Arthur Hutchinson Terry	Southold, N. Y.	123 N.
John Taylor Terry	Irvington, N. Y.	155 F.
Oliver David Thompson	Butler, Pa.	211 D.
Ambrose Tighe	Brooklyn, N. Y.	28 S.
James Duncan Torreyson	Carson City, Nev.	147 F.
Winston John Trowbridge	New Haven	221 Church st.
Otis Harvey Waldo	Milwaukee, Wisc.	209 D.
George Dutton Watrous	New Haven	63 Whitney av.
Benjamin Webster	New York City	60 W. D. H.
John Theodore Wentworth	Racine, Wisc.	91 N. M.
Holland Stratford Whiting	New York City	25 College st.
Harry Kellogg Willard	Washington, D. C.	174 F.
Samuel Porter Willard	Colchester	124 N.
Frederick Wells Williams	New Haven	39 College st.
John Eastman Wilson	Rockville	162 F.
Mardon Dewees Wilson	Philadelphia, Pa.	148 George st.
Mountford Samuel Wilson	San Francisco, Cal.	154 F.
Stephen C. Wood	New York City	92 N. M.
Timothy Lester Woodruff	Brooklyn, N. Y.	138 F.

SOPHOMORE CLASS

Henry Wilbur Aiken	<i>Millbury, Mass.</i>	188 c.
William Lafayette Allen	<i>Brooklyn, N. Y.</i>	63 s. m.
John Arnold Amundson	<i>Rochester, Minn.</i>	35 Hillhouse av.
Wilmore Anway	<i>Florida, N. Y.</i>	186 c.
William Cooper Asay	<i>Chicago, Ill.</i>	464 Chapel st.
Cecil Kent Austin	<i>Philadelphia, Pa.</i>	90 York st.
Frank Hamilton Ayer	<i>Nashua, N. H.</i>	37 s. m.
William Ransom Barbour	<i>New Haven</i>	193 Church st.
Charles Platt Barker	<i>Brooklyn, N. Y.</i>	65 n. m.
William DeLuce Barnes	<i>Brooklyn, N. Y.</i>	113 College st.
John Dowd Bassett	<i>New Haven</i>	33 s. m.
George Benedict	<i>Bethel</i>	113 College st.
Willis Benner	<i>Astoria, N. Y.</i>	43 s. m.
Edward Manross Bentley	<i>Ellenville, N. Y.</i>	186 c.
Conrad Berens	<i>Philadelphia, Pa.</i>	90 High st.
William Darius Bishop	<i>Bridgeport</i>	47 s. m.
Charles Franklin Bliss	<i>New Haven</i>	665 Chapel st.
William Bishop Boomer	<i>Chicago, Ill.</i>	27 Prospect st.
Frank Wilson Booth	<i>Bennington, Vt.</i>	136 College st.
Frederick Brooks	<i>New York City</i>	45 s. m.
George Artemas Brown	<i>Barre, Mass.</i>	64 s. m.
Walter Hull Buell	<i>Madison</i>	99 n.
Henry Bunn	<i>Springfield, Ill.</i>	48 College st.
John Edward Bushnell	<i>Old Saybrook</i>	99 n.
George Whitfield Butts	<i>Providence, R. I.</i>	90 High st.
Walter Chauncey Camp	<i>New Haven</i>	595 Chapel st.
Frank Parker Chamberlain	<i>New York City</i>	46 s. m.
Walter Henry Chapin	<i>Agawam, Mass.</i>	194 c.
Irving Hall Chase	<i>Waterbury</i>	59 s. m.
George Henry Clark	<i>Hartford</i>	71 w. d. h.
Frank Beach Curtis	<i>Birmingham</i>	65 n. m.
William Gibbons Daggett	<i>New Haven</i>	60 Wall st.
Elias Wyman Davis	<i>Worcester, Mass.</i>	187 c.
Arthur Cushing Dill	<i>New Haven</i>	66 Howe st.
John Marshall Douglas	<i>Chicago, Ill.</i>	489 Chapel st.
Andrew Penrose Lusk Dull	<i>Harrisburg, Pa.</i>	55 s. m.
Wilton Nathaniel Eddy	<i>Jamestown, N. Y.</i>	54 s. m.
Harris Pleydell Edmonson	<i>Little Rock, Ark.</i>	66 n. m.
Asa John Farwell	<i>Hartford</i>	192 c.
Peter Flint	<i>Port Henry, N. Y.</i>	553 State st.
Frank Goodrich	<i>Auburn, N. Y.</i>	187 c.
Nathaniel Gordon	<i>Exeter, N. H.</i>	161 Temple st.
Henry Lee Gower	<i>New Haven</i>	309 Orange st.
Edmund Frank Green	<i>Oakland, Cal.</i>	6 Library st.
William Milne Grinnell	<i>New York City</i>	35 College st.

Charles Willard Haines	<i>Colchester</i>	82 N. M.
Edwin Cæsar Malan Hall	<i>Fair Haven</i>	Fair Haven
William Montague Hall	<i>Ashfield, Mass.</i>	15 Home pl.
Robert William Hardie	<i>Albany, N. Y.</i>	25 Prospect st.
John Slosson Harding	<i>Wilkes Barre, Pa.</i>	48 S. M.
William Hudson Harper	<i>Washington, D. C.</i>	57 S. M.
William Thorn Haviland	<i>Bridgeport</i>	47 S. M.
Gerard Charles Hegeman	<i>Brooklyn, N. Y.</i>	109 Elm st.
John Philip Helfenstein	<i>Philadelphia, Pa.</i>	60 S. M.
Alfred Edwards Hooker	<i>New Haven</i>	60 S. M.
Frank Whetstone Hopkins	<i>Cincinnati, O.</i>	6 Library st.
John Tomlinson Hubbard	<i>Litchfield</i>	193 C.
William Colburn Husted	<i>Brooklyn, N. Y.</i>	81 York st.
William Forrest Hutchison	<i>Norwich</i>	38 S. M.
William Reynolds Innis	<i>Poughkeepsie, N. Y.</i>	46 S. M.
Walter Jennings	<i>Fairfield</i>	45 S. M.
Frederic William Keator	<i>Moline, Ill.</i>	130 F.
Dana William Kellogg	<i>Hartford</i>	38 S. M.
William Swift Keyser	<i>Milton, Fla.</i>	489 Chapel st.
Preston King	<i>Minneapolis, Minn.</i>	6 Library st.
Edward Weston Knevals	<i>Fordham, N. Y.</i>	59 S. M.
Oscar Alexander Knight	<i>Camden, Me.</i>	37 S. M.
Samuel Waldron Lambert	<i>New York City</i>	44 S. M.
David Charles Lines	<i>New Haven</i>	201 Crown st.
Wilson Cary McHenry	<i>Baltimore, Md.</i>	175 F.
Robert DeLosse Martin	<i>Tiffin, O.</i>	64 High st.
Remsen Varick Messler	<i>Pittsburgh, Pa.</i>	489 Chapel st.
Simon Charles Metzger	<i>New Haven</i>	17 Grove st.
Frederick Stillman Morrison	<i>Holyoke, Mass.</i>	81 N. M.
Thomas Robert Morrow	<i>Hartford</i>	67 N. M.
William D. Murray	<i>Plainfield, N. J.</i>	42 S. M.
Charlie Lewis Nelson	<i>Columbus, O.</i>	42 S. M.
James Edward Newcomb	<i>New London</i>	63 S. M.
Alfred Bull Nichols	<i>Lyme</i>	130 F.
Edward Parish Noyes	<i>Wilmington, Mass.</i>	190 C.
Henry Choate Ordway	<i>Hampstead, N. H.</i>	64 S. M.
Norris Galpin Osborn	<i>New Haven</i>	68 N. M.
John Marshall Otis	<i>Newtown</i>	117 Elm st.
Wilbur Parker	<i>Cleveland, O.</i>	39 S. M.
Sidney Catlin Partridge	<i>Brooklyn, N. Y.</i>	27 Prospect st.
LeRoy Bliss Peckham	<i>Lebanon</i>	191 C.
William Allison Peters	<i>Wilkes Barre, Pa.</i>	48 S. M.
Smith Franklin Phillips	<i>East Chatham, N. Y.</i>	81 N. M.
John Bliss Porter	<i>Coventry</i>	57 S. M.
William Russell Purple	<i>Springfield, Mass.</i>	50 S. M.
Charles Newton Ransom	<i>Colchester</i>	82 N. M.
Dickinson Woodruff Richards	<i>Litchfield</i>	193 C.
Charles Henry Richardson	<i>Groton, Mass.</i>	116 N.

Alphonso Paine Sawyer	Millbury, Mass.	188 C.
Doremus Scudder	Brooklyn, N. Y.	61 S. M.
Jay Webber Seaver	Craftsbury, Vt.	50 S. M.
Robert William Selden	Brandon, Vt.	56 S. M.
Samuel Swanton Sewall	Bath, Me.	71 W. D. H.
John Foster Shepley	St. Louis, Mo.	55 S. M.
Charles Langdon Sherman	Castleton, Vt.	162 York st.
William Hazard Sherman	Providence, R. I.	56 S. M.
Frederick Platt Skinner	Owego, N. Y.	690 State st.
Frederic Morse Smith	Hartford	100 N.
Grant Alexander Smith	Milwaukee, Wisc.	54 S. M.
Edward Curran Spencer	St. Paul, Minn.	39 S. M.
Frank Otho Spencer	Cleveland, O.	40 S. M.
Presley Spruance	Wilmington, Del.	76 High st.
Max Stern	Hartford	67 N. M.
Harry Waters Taft	Cincinnati, O.	35 College st.
John Butler Coles Tappan	Glen Cove, N. Y.	133 College st.
Frederick Charles Train	Pomerooy, O.	133 College st.
Henry Trowbridge	New Haven	121 Meadow st.
Stephen Trumbull	Valparaiso, Chili	164 F.
Eugene Winston Walker	Richmond, Ky.	189 C.
Wirt Dexter Walker	Chicago, Ill.	489 Chapel st.
Arthur Eugene Walradt	Chester, Mass.	133 College st.
Edwin Carrington Ward	Farmington	192 C.
James Herbert Watson	Brooklyn, N. Y.	61 S. M.
David Collin Wells	Fayetteville, N. Y.	64 High st.
Ten Eyck Wendell	Cazenovia, N. Y.	220 D.
Frank Henry Wheeler	Fair Haven	44 S. M.
Wilson Curtiss Wheeler	New Haven	105 Dwight st.
George Dana White	New York City	116 N.
William Wallace Whiting	Ansonia	53 S. M.
Heman Charles Whittlesey	Newington	100 N.
Charles Albert Wight	North Hatfield, Mass.	33 S. M.
Lawrence Wilkinson	Greenwich	53 S. M.
Walter Crafts Witherbee	New York City	62 S. M.
John Francis Woodhull	Groton	50 S. M.
Frank Alexander Wright	Goshen, N. Y.	72 High st.
Charles Pemberton Wurts	New Haven	65 Whitney av.

SOPHOMORES, 131

FRESHMAN CLASS

Frederic Adler	<i>Milwaukee, Wisc.</i>	126 York st.
Edwin Edgerton Aiken	<i>Rutland, Vt.</i>	125 N.
Willard Shurtleff Augsburg	<i>Antwerp, N. Y.</i>	41 High st.
René Bache	<i>Philadelphia, Pa.</i>	156 York st.
Benjamin Wisner Bacon	<i>New Haven</i>	196 Crown st.
Charles Warner Balch	<i>Harwinton</i>	7 Bradley pl.
John Hampton Barnes	<i>Pittsburgh, Pa.</i>	77 York st.
Danford Newton Barney	<i>Farmington</i>	127 Crown st.
Philip Golden Bartlett	<i>Washington, D. C.</i>	597 Chapel st.
Albert Butler Beadle	<i>Philadelphia, Pa.</i>	111 N.
Russell Anson Bigelow	<i>West Brattleboro', Vt.</i>	154 Martin st.
Harvey Leo Birchard	<i>Milwaukee, Wisc.</i>	84 Wall st.
Arthur Elmore Bostwick	<i>Litchfield</i>	109 N.
John Eliot Bowen	<i>Brooklyn, N. Y.</i>	80 N. M.
Edward Paul Brandt	<i>Farmington</i>	8 Lock st.
William Joseph Brewster	<i>New Haven</i>	86 Wall st.
Walter Ray Bridgman	<i>Syracuse, N. Y.</i>	104 York st.
Otis Hayford Briggs	<i>Auburn, Me.</i>	127 N.
Joseph Davis Brodhead	<i>Bethlehem, Pa.</i>	74 High st.
Isaac Bromley	<i>New Haven</i>	218 Orange st.
Herbert Stanley Brown	<i>South Norwalk</i>	96 York st.
Joseph Dunn Burrell	<i>Freeport, Ill.</i>	79 N. M.
Robert Camp	<i>Milwaukee, Wisc.</i>	525 Chapel st.
Daniel Arthur Carpenter	<i>Afton, N. Y.</i>	109 N.
William Churchill	<i>Mont Clair, N. J.</i>	110 N.
Harry Quinton Cleneay	<i>Cincinnati, O.</i>	519 Chapel st.
John Caldwell Coleman	<i>New York City</i>	152 York st.
John Burnett Collins	<i>St. Joseph, Mo.</i>	120 High st.
Howard Junior Curtiss	<i>Stratford</i>	109 N.
Frederick Orren Darling	<i>New York City</i>	112 N.
Julius Barnes Day	<i>Bridgeport</i>	125 N.
William Wheeler deForest	<i>New York City</i>	9 Library st.
Joseph Benjamin Dimmick	<i>Honesdale, Pa.</i>	84 Wall st.
Ephraim Williams Dixon	<i>Brooklyn, N. Y.</i>	36 College st.
John Mowe Drysdale	<i>West Meriden</i>	17 S.
Henry Strong Durand	<i>Rochester, N. Y.</i>	15 Home pl.
John Stewart Durand	<i>Rochester, N. Y.</i>	15 Home pl.
Charles Abbott Schneider Dwight	<i>Englewood, N. J.</i>	152 York st.
Waldo Chapin Eames	<i>Providence, R. I.</i>	152 York st.
James Richard Ely	<i>New York City</i>	143 York st.
Cyrus Emery	<i>New Haven</i>	35 Howe st.
William Phelps Eno	<i>New York City</i>	25 College st.
Edward Thomas Evans	<i>Pittsburgh, Pa.</i>	120 High st.
Sherman Evarts	<i>New York City</i>	44 High st.
Harry Rupert Ewing	<i>Pittsburgh, Pa.</i>	6 College st.

Frank Miller Fargo	Chicago, Ill.	221 Elm st.
Paul James Fenn	New Haven	191 Church st.
George Park Fisher	New Haven	27 Hillhouse av.
Nathaniel Campbell Fisher	New York City	201 Orange st.
Grant Fitch	Milwaukee, Wisc.	525 Chapel st.
Robert Wasson Forbes	Brooklyn, N. Y.	169 Temple st.
Sereno Ford	Milford	25 Park st.
William Fosdick	Stamford	464 Chapel st.
Charles Joseph French	Evanston, Ill.	464 Chapel st.
Abraham Lincoln Frisch	Milwaukee, Wisc.	163 Temple st.
Philo Carroll Fuller	Grand Rapids, Mich.	489 Chapel st.
Frank Runyon Gallaher	New Haven	529 Chapel st.
Henry Parsons Garland	Biddeford, Me.	64 High st.
Ford Morris Garvin	Evansville, Ind.	109 Elm st.
Andrew Stoughton Gaylord	Terryville	24 Howe st.
Charles Tiffany Gilbert	Birmingham	106 York st.
Edward Hooker Gilbert	Ware, Mass.	27 College st.
Edward Graves	New Haven	87 Wall st.
Freeman Clark Griswold	Greenfield, Mass.	93 N. M.
Nathaniel Taylor Guernsey	Dubuque, Iowa	110 N.
Webster Hakes	Norwich	13 Trumbull st.
William Samuel Hale	Keene, N. H.	162 York st.
John Dixon Hall	Norwich	72 High st.
Reuben Post Hallock	Rocky Point, N. Y.	17 Wooster pl.
William Lammon Harkness	Bellevue, O.	133 York st.
Ernest Eldred Hart	Council Bluffs, Iowa	126 York st.
Louis Bevier Hasbrouck	Rondout, N. Y.	77 York st.
Charles Burnell Hawkes	New Haven	65 Martin st.
Louis Condit Hay	New York City	111 N.
Charles Arthur Heald	Orange, N. Y.	162 York st.
Frederic Duncan Helmer	Pike, N. Y.	133 College st.
Aubrey De Vere Hiles	Milwaukee, Wisc.	77 York st.
Cyrus Foss Hill	New Haven	35 Elliott st.
Robert Clark Hine	Stamford	133 College st.
Roderick Whittelsey Hine	Lebanon	112 N.
Henry Hitchings	Gravesend, N. Y.	80 N. M.
Charles Wittenberg Holzheimer	Elmira, N. Y.	160 St. John st.
Samuel Cornell Hopkins	Catskill, N. Y.	76 High st.
George Henry Hubbard	Woodmont	171 Wooster st.
Walter Taft Hutchins	New York City	25 College st.
George Edward Ide	Brooklyn, N. Y.	153 Crown st.
James Warren Ingalls	Putnam	190 C.
George Snow Isham	Chicago, Ill.	494 Chapel st.
Henry Ives	New Haven	274 Orange st.
Albert Emerson Joab	Terre Haute, Ind.	77 York st.
Henry Pierson Johnes	Newburgh, N. Y.	9 Library st.
Edward Fairfield Jones	Wilton	
George Marsh Judd	Newtown	117 Elm st.
Benjamin Bissell Lamb	Chicago, Ill.	464 Chapel st.

James Leighton	<i>Humphreyville, Pa.</i>	77 Meadow st.
Solon Carl Frederick Leonhaeuser	<i>Pittsburgh, Pa.</i>	6 College st.
Samuel Waring Lewis	<i>Brooklyn, N. Y.</i>	75 York st.
Allen Bennett Lincoln	<i>Willimantic</i>	128 N.
Frank Newton Loomis	<i>Granby</i>	68 Greenwood st.
William Maltby Lovering	<i>Taunton, Mass.</i>	152 York st.
Frank Benjamin Lucas	<i>Poquetannock</i>	177 Chapel st.
Calvin Stewart McChesney	<i>Pittstown, N. Y.</i>	79 N. M.
Richard Hays McDonald	<i>San Francisco, Cal.</i>	
John Ryan McKee	<i>Pittsburgh, Pa.</i>	109 York st.
Daniel Walton McMillan	<i>Mount Pleasant, Pa.</i>	145 York st.
Frederick Arnold Manning	<i>Brooklyn, N. Y.</i>	153 Crown st.
John Wesley Manning	<i>Fair Haven</i>	20 S.
John Francis Merrill	<i>Rutland, Vt.</i>	41 High st.
Frank Chapin Moodey	<i>Brooklyn, N. Y.</i>	75 York st.
Albert Henry Moulton	<i>Kittery, Me.</i>	64 High st.
Ben Wilton Murch	<i>Carmel, Me.</i>	103 W. D. H.
Thaddeus Halsted Myers	<i>Yonkers, N. Y.</i>	93 N. M.
William Wilson Kirchhofer Nixon	<i>Chicago, Ill.</i>	494 Chapel st.
Charles Henry Northrop	<i>Newtown</i>	133 College st.
James Edward O'Donnell	<i>Pittsburgh, Pa.</i>	6 College st.
Thomas Burr Osborne	<i>New Haven</i>	156 Crown st.
William Rufus Page	<i>Olean, N. Y.</i>	127 N.
Sheldon Pharis Patterson	<i>Chicago, Ill.</i>	221 Elm st.
Richard Augustus Peabody	<i>New York City</i>	35 College st.
William Emerson Peck	<i>New Britain</i>	597 Chapel st.
Frederick Pickersgill	<i>Pittsburgh, Pa.</i>	71 York st.
Wilson Howard Pierce	<i>Brookfield Center</i>	665 Chapel st.
Leonard Hayes Poole	<i>Baltimore, Md.</i>	44 High st.
Charles Justus Powers	<i>Davenport, Iowa</i>	72 High st.
George Barclay Preston	<i>Pittsburgh, Pa.</i>	77 York st.
Charles Edwin Rand	<i>Chicago, Ill.</i>	464 Chapel st.
Francis Esty Rice	<i>Framingham, Mass.</i>	532 Chapel st.
Harris Richardson	<i>Janesville, Wisc.</i>	89 Elm st.
Lawrence Rolfe	<i>Auburn, Me.</i>	126 N.
Robert Mayo Rolfe	<i>Auburn, Me.</i>	126 N.
Charles Burton Schram	<i>Milwaukee, Wisc.</i>	163 Temple st.
Frederic William Sears	<i>Brooklyn, N. Y.</i>	147 York st.
Frederick Seymour	<i>Whitney's Point, N. Y.</i>	96 York st.
James Sheldon	<i>New Haven</i>	47 Hillhouse av.
George Bliss Silliman	<i>East Haddam</i>	494 Chapel st.
Edward Lewis Simonds	<i>New Orleans, La.</i>	109 York st.
John Clark Smith	<i>New Haven</i>	374 George st.
William Francis Smith	<i>Colebrook</i>	141 Bradley st.
Henry Hezekiah Sprague	<i>Newark, O.</i>	464 Chapel st.
William Stanley	<i>Englewood, N. J.</i>	95 N. M.
Henry Stuart Stearns	<i>Hartford</i>	74 High st.
Fred. Haile Stebbins	<i>Springfield, Mass.</i>	126 High st.
Arthur Griffin Stedman	<i>New York City</i>	145 York st.

Willis Betts Sterling	<i>Cleveland, O.</i>	133 York st.
Isaac Thomas	<i>West Chester, Pa.</i>	29 High st.
Norman Frederick Thompson	<i>Rockford, Ill.</i>	120 College st.
Francis Herbert Tichenor	<i>Parishville, N. Y.</i>	525 Chapel st.
Edward Staats DeGrote Tompkins	<i>Kinderhook, N. Y.</i>	489 Chapel st.
William Riggin Travers	<i>New York City</i>	489 Chapel st.
Henry Nelson Tuttle	<i>Chicago, Ill.</i>	494 Chapel st.
Edward Lambert Twombly	<i>Boston, Mass.</i>	198 Crown st.
Edwin Stewart Underhill	<i>Bath, N. Y.</i>	116 High st.
Adrian Sebastian Van de Graaff	<i>Los Angeles, Cal.</i>	197 Temple st.
Frederic Richardson Vernon	<i>Brooklyn, N. Y.</i>	147 York st.
Howard Talbot Walden	<i>Brooklyn, N. Y.</i>	153 Crown st.
George Martin Wallace	<i>Wallingford</i>	133 York st.
Pinckney Alston Waring	<i>Savannah, Ga.</i>	60 Whalley av.
Everett Warren	<i>Scranton, Pa.</i>	51 Howe st.
John Van Alstine Weaver	<i>Chicago, Ill.</i>	86 Wall st.
Francis Egerton Webb	<i>New York City</i>	251 Orange st.
George Wakeman Wheeler	<i>Hackensack, N. J.</i>	128 N.
Sherman Leland Whipple	<i>New London, N. H.</i>	183 George st.
Arthur Eli White	<i>New York City</i>	44 High st.
Henry Charles White	<i>Vernon, N. Y.</i>	77 York st.
Lasell Hayden White	<i>W. Richmondville, N. Y.</i>	494 Chapel st.
Charles Octavius Whitmore	<i>Farmington</i>	127 Crown st.
Charles Ezekiel Woods	<i>Mobile, Ala.</i>	109 Orange st.
George Woolsey	<i>New Haven</i>	250 Church st.
Edward Welton Young	<i>New Haven</i>	159 Bradley st.

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SHEFFIELD SCIENTIFIC SCHOOL

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GRADUATE STUDENTS

William Whittlesey Abbott, PH.B.	<i>New Haven</i>	257 Church st.
George Henry Bartlett, PH.B.	<i>North Guilford</i>	157 Church st.
Morris Burke Belknap, PH.B.	<i>Louisville, Ky.</i>	86 W. D. H.
Thomas Marcus Blakslee, PH.B. } Madison University	<i>Hamilton, N. Y.</i>	36 Prospect st.
Francis Elwood Brown, PH.B.	<i>West Haven</i>	West Haven
Russell Henry Chittenden, PH.B.	<i>New Haven</i>	95 Humphrey st.
Frederic Henry Crafts, B.A. } Dartmouth College	<i>Uncasville</i>	170 George st.
Thomas Henry Dewey, LL.B.	<i>West Haven</i>	49 Church st.
Judson Amos Doolittle, PH.B.	<i>Cheshire</i>	17 Wooster pl.
Edward Livingston Ford, PH.B.	<i>Buffalo, N. Y.</i>	48 College st.
George Bird Grinnell, B.A.	<i>New York City</i>	6 Library st.
Oscar Harger, M.A.	<i>New Haven</i>	14 University pl.
George Wesson Hawes, PH.B.	<i>Boston, Mass.</i>	14 S. H.
Henry Allen Hazen, B.A. } Dartmouth College	<i>New Haven</i>	55 N. S. H.
Joseph Paxon Iddings, PH.B.	<i>Orange, N. J.</i>	119 W. D. H.
James Boyd Neal, B.A.	<i>Bloomsburg, Pa.</i>	6 Library st.
Herbert Franklin Northrup, B.A. } Middlebury College	<i>Shoreham, Vt.</i>	73 York st.
John Robert Paddock, PH.B.	<i>Cheshire</i>	Cheshire
William Hampton Patton, B.A.	<i>Waterbury</i>	46 N. S. H.
Samuel Lewis Penfield, PH.B.	<i>Catskill, N. Y.</i>	14 S.
Lucius Waterman Robinson, PH.B.	<i>Fair Haven</i>	464 Chapel st.
George Smith, PH.B.	<i>New Haven</i>	83 Ashmun st.
Horace Lemuel Wells, PH.B.	<i>New Britain</i>	N. S. H.

GRADUATES, 23

NOTE—These names have already been included in the list of Graduate Students on page 23.

SENIOR CLASS

William Day Allen	<i>Hartford</i>	116 College st.
Seymour Landon Alvord	<i>West Winsted</i>	116 College st.
John Pomeroy Bartlett	<i>New Britain</i>	116 College st.
John Luis Blackmore	<i>City of Mexico, Mexico</i>	40 Park st.
Edward Everett Brewster	<i>West Cornwall</i>	123 Park st.
Fayette Williams Brown	<i>Yonkers, N. Y.</i>	61 Grove st.
William Tyler Browne	<i>Lisbon</i>	155 Church st.
Lucien Lowber Burrows	<i>Decatur, Ill.</i>	25 College st.
Charles William Canfield	<i>Hartford</i>	81 Wall st.
Robert Williams Chapin	<i>Springfield, Mass.</i>	36 Elm st.
William Grover Chapin	<i>Somers</i>	104 Grove st.
Charles Samuel Churchill	<i>New Haven</i>	257 Franklin st.
Walter Linsley Cowles	<i>Wallingford</i>	153 Crown st.
Augustus James Emery	<i>Bangor, Me.</i>	35 Howe st.
Granger Farwell	<i>Chicago, Ill.</i>	36 Elm st.
Oswin Hart Doolittle Fowler	<i>North Haven</i>	133 College st.
Cadmus Zaccheus Gordon	<i>Brookville, Pa.</i>	8 Lock st.
Rodney Granger	<i>Chicago, Ill.</i>	450 Chapel st.
Leonard Vassall Greene	<i>Norwich</i>	450 Chapel st.
Henry Sturges Guthrie	<i>Buffalo, N. Y.</i>	464 Chapel st.
Ralph Augustus Harman	<i>Cleveland, O.</i>	36 Elm st.
Walter Tillman Hart	<i>New Haven</i>	82 Trumbull st.
George Stewart Hegeman	<i>Brooklyn, N. Y.</i>	61 Grove st.
Charles Betts Hillhouse	<i>New Haven</i>	3 Hillhouse av.
Robert Samuel Hulbert	<i>West Winsted</i>	31 Prospect st.
Thomas Mastin Jacks	<i>Helena, Ark.</i>	87 Olive st.
Fred. Beckwith Jillson	<i>Whitehall, N. Y.</i>	61 Grove st.
Edward Charless LeBourgeois	<i>St. James Parish, La.</i>	36 Elm st.
Charles Richard Lee	<i>Kenosha, Wisc.</i>	115 Park st.
George Webb Mason	<i>Orange, N. J.</i>	86 W. D. H.
William James Perry Moore	<i>New Britain</i>	97 William st.
Frank Turner Moorhead	<i>Pittsburgh, Pa.</i>	61 Grove st.
George Henry Potts	<i>Pittstown, N. J.</i>	61 Grove st.
Edward Townsend Reed	<i>Albany, N. Y.</i>	257 Church st.
Charles Theodore Richmond	<i>Johnsonville, N. Y.</i>	61 Grove st.
Edward Kilbourn Roberts	<i>New Haven</i>	8 Brown st.
Harold Roorbach	<i>New York City</i>	104 Grove st.
Edward Hubbard Russell	<i>New Haven</i>	19 Wooster pl.
Edward Herndon Smith	<i>Brooklyn, N. Y.</i>	36 Elm st.
William Annin Vliet	<i>Cleveland, O.</i>	193 Temple st.
Ebin Jennings Ward	<i>Marseilles, Ill.</i>	523 Chapel st.
Edmund Beecher Wilson	<i>Geneva, Ill.</i>	57 N. S. H.
Francis Dana Winslow	<i>Washington, D. C.</i>	36 Elm st.

JUNIOR CLASS

Frederick Innis Allen	<i>Auburn, N. Y.</i>	33 Prospect st.
Harry Washington Asher	<i>New Haven</i>	6 Orange st.
William Montgomery Atwater	<i>New Haven</i>	15 Elm st.
Charles Ketchum Averill	<i>Bridgeport</i>	126 High st.
Charles Rufus Ayres	<i>Woodmont</i>	8 Lock st.
Nathaniel Terry Bacon	<i>New Haven</i>	196 Crown st.
Samuel Eben Barney	<i>New Haven</i>	110 Olive st.
George Frederick Hunter Bartlett	<i>Buffalo, N. Y.</i>	62 W. D. H.
Lindon Bates	<i>Chicago, Ill.</i>	A.
Joseph Bidleman Bissell	<i>Lakeville</i>	111 Park st.
Malcom Booth	<i>South Kingston, R. I.</i>	17 Wooster pl.
Harry Osborn Carrington	<i>New Haven</i>	527 Chapel st.
Frederick Burr Clemmons	<i>New Haven</i>	162 Putnam st.
William James Comstock	<i>Toledo, O.</i>	37 College st.
Albert William Congdon	<i>Brooklyn, N. Y.</i>	44 High st.
John Howard Cromwell	<i>Cranford, N. J.</i>	122 College st.
Charles Thompson Dodd	<i>West Meriden</i>	134 College st.
Arthur Dodge	<i>Stamford</i>	134 College st.
George Clarence Egan	<i>Chicago, Ill.</i>	36 Elm st.
Emerson Young Foote	<i>New Haven</i>	111 Park st.
Norman Norton Fowler	<i>Agawam, Mass.</i>	141 Bradley st.
John Currier Gallagher	<i>New Haven</i>	21 Olive st.
Jonathan Godfrey	<i>Southport</i>	134 College st.
Frank Hanson Harrison	<i>Indianapolis, Ind.</i>	15 Home pl.
Gerald Waldo Hart	<i>New Britain</i>	33 Prospect st.
Harry Dudley Hibbard	<i>Woodside, N. Y.</i>	464 Chapel st.
Frank Hillhouse	<i>New Haven</i>	3 Hillhouse av.
Charles DeVilliers Hoard	<i>Chicago, Ill.</i>	416 Chapel st.
Charles Perry Hull	<i>Lebanon</i>	128 High st.
John Jewett	<i>Brooklyn, N. Y.</i>	55 Trumbull st.
Willard Drake Johnson	<i>Washington, D. C.</i>	A.
Frederick Augustus Jones	<i>Newark, N. J.</i>	163 Temple st.
Alfred Dennis Lewis	<i>Bridgeport</i>	134 College st.
George Walker Meeker	<i>Chicago, Ill.</i>	55 Trumbull st.
Kakichi Mitsikuri	<i>Tokio, Japan</i>	523 Chapel st.
John Moorhead	<i>Pittsburgh, Pa.</i>	109 Elm st.
Edward Delavan Nelson	<i>New York City</i>	55 Trumbull st.
Walter Nordhoff	<i>Alpine, N. J.</i>	145 York st.
Frederick Wallace Paramore	<i>St. Louis, Mo.</i>	36 Elm st.
Robert Wilson Patrick	<i>Omaha, Nebr.</i>	531 Chapel st.
William Eckhardt Raht	<i>Cleveland, Tenn.</i>	87 Church st.
Edward Vilette Reynolds	<i>Chicago, Ill.</i>	109 Elm st.
Edward Rupert Sargent	<i>New Haven</i>	132 Wooster st.
George Augustus Saunders	<i>Newport, R. I.</i>	157 Bradley st.
William Seth Silsby	<i>Seneca Falls, N. Y.</i>	36 Elm st.

Rufus Henry Skeel	<i>Newburgh, N. Y.</i>	31 Prospect st.
Herbert Eugene Smith	<i>Hartford</i>	141 Bradley st.
Thaddeus Henry Spencer	<i>Suffield</i>	141 Bradley st.
Isaiah Kidder Stetson	<i>Bangor, Me.</i>	62 W. D. H.
Daniel Eddie Stone	<i>Cleveland, O.</i>	61 Grove st.
Arthur Stoddard Van Voorhis	<i>New York City</i>	94 Grove st.
John Thomas Waring	<i>Yonkers, N. Y.</i>	61 Grove st.
Albert Lowery Webster	<i>Bethlehem, Pa.</i>	119 W. D. H.
Charles Seward Wilcox	<i>Painesville, O.</i>	136 College st.
Walter Smith Williams	<i>Evanston, Ill.</i>	36 Elm st.
Charles Henry Wilmerding	<i>Hartford</i>	29 Prospect st.
		JUNIORS, 56

FRESHMAN CLASS

Daniel Sidney Appleton	<i>New York City</i>	165 Temple st.
Charles Backus Ball	<i>New Britain</i>	113 Bailey st.
Edward Henry Ball	<i>Milwaukee, Wisc.</i>	165 Temple st.
Hartman Bache Borie	<i>Philadelphia, Pa.</i>	156 York st.
Harry Banning Bradford	<i>Wilmington, Del.</i>	169 Temple st.
Charles Sumner Brown	<i>Fair Haven</i>	25 Whitney av.
Joseph Arthur Chanute	<i>New York City</i>	128 High st.
George Huntington Clark	<i>Norwich</i>	29 Prospect st.
Arthur Baylies Coffin	<i>Edgartown, Mass.</i>	191 Temple st.
Edward Allen Colby	<i>St. Johnsbury, Vt.</i>	23 Prospect st.
Frank McAlpine Collin	<i>Penn Yan, N. Y.</i>	72 High st.
Peter Franklin Conway	<i>New Haven</i>	117 Washington st.
Charles Mabie Crouse	<i>Syracuse, N. Y.</i>	120 Chapel st.
Edward Merrill Currier	<i>Chelsea, Mass.</i>	14 Lock st.
Harry Sprague Davidson	<i>San Francisco, Cal.</i>	161 Temple st.
William Loami Davis	<i>Chicago, Ill.</i>	523 Chapel st.
Thomas Edward Doolittle	<i>Onarga, Ill.</i>	113 Olive st.
Jacob Edward Emery	<i>Fair Haven</i>	73 Exchange st.
George Robert Ferguson	<i>New Haven</i>	29 Sylvan av.
William Henry Fox	<i>Washington, D. C.</i>	25 Prospect st.
George Washington Gibson	<i>New Haven</i>	44 Edwards st.
George Edward Goodspeed	<i>East Haddam</i>	183 George st.
John Warren Hardenbergh	<i>Jersey City, N. J.</i>	117 Elm st.
Samuel Higgins	<i>Buffalo, N. Y.</i>	82 Wall st.
Louis Maynard Higginson	<i>Newburgh, N. Y.</i>	161 Temple st.
Walter Hitchcock	<i>Cheshire</i>	29 Prospect st.
Theodore Lanahan Hooper	<i>Baltimore, Md.</i>	169 Temple st.
James Barland Houston	<i>Enfield</i>	163 Temple st.
Frank Allison Hubbard	<i>Sandusky, O.</i>	121 Park st.
Colin Macrae Ingersoll	<i>New Haven</i>	85 Trumbull st.
Charles Henry Johnson	<i>Union, N. J.</i>	12 Trumbull st.

David Brown Lewis	<i>Utica, N. Y.</i>	12 Trumbull st.
Ernest Theophilus Liefeld	<i>New Haven</i>	36 Orchard st.
Richard Becker Lyon	<i>New Haven</i>	710 Chapel st.
Willey Solon McCrea	<i>Chicago, Ill.</i>	221 Elm st.
Edwin Kirtland Morse	<i>Poland, O.</i>	29 College st.
Carl Eugene Munger	<i>Watertown</i>	23 Prospect st.
Edward Butler Needham	<i>Hartford</i>	191 Temple st.
Frederic Adriance Osborn	<i>New Haven</i>	150 York st.
John Irving Pearce	<i>Chicago, Ill.</i>	71 York st.
George Benjamin Phelps	<i>Watertown, N. Y.</i>	84 Wall st.
Dwight Porter	<i>Hartford</i>	14 Lock st.
Edgar Sheffield Porter	<i>New Haven</i>	38 Hillhouse av.
Edward Freeman Porter	<i>Stowe, Vt.</i>	23 Prospect st.
Joel Howard Reed	<i>Albany, N. Y.</i>	251 Church st.
Edwin McNeil Rogers	<i>Central City, Col.</i>	191 Temple st.
George Bliss Rogers	<i>Lexington, Mass.</i>	169 Temple st.
Isaac Marion Rosenthal	<i>Rochester, N. Y.</i>	35 Howe st.
William Bartlett Schofield	<i>West Point, N. Y.</i>	48 College st.
Henry Starkweather	<i>New Haven</i>	170 Martin st.
Elliott Joseph Stoddard	<i>Seymour</i>	80 Broadway
Schuyler Van Vechten	<i>Albany, N. Y.</i>	165 Temple st.
Adrian Rowe Wadsworth	<i>Farmington</i>	135 St. John st.
William Candee Warren	<i>Buffalo, N. Y.</i>	82 Wall st.
Adolph Frederic Wehner	<i>New Haven</i>	544 Chapel st.
George Goodman Williams	<i>Glastonbury</i>	133 College st.
Arthur Burnham Woodford	<i>West Winsted</i>	36 York sq.
William Henry Yale	<i>New York City</i>	201 Orange st.
		FRESHMEN, 58

SPECIAL STUDENTS NOT CANDIDATES FOR A DEGREE

Louis Norton Bail	<i>New Haven</i>	43 Park st.
Thomas Attwater Bostwick	<i>New Haven</i>	162 Olive st.
William Thomas Cochrane	<i>Durham, Ontario</i>	119 Greene st.
Caldwell Hart Colt	<i>Hartford</i>	165 Temple st.
Alfred Daggett	<i>New Haven</i>	9 Warren st.
Arthur Melancthon Diggles	<i>Tarrytown, N. Y.</i>	55 Trumbull st.
Joseph Caldwell Earle	<i>New Haven</i>	214 Orchard st.
Robert Haggert	<i>Brompton, Ontario</i>	119 Greene st.
Charles Wilbur Nichols	<i>Bridgeport</i>	Bridgeport
Edward H. Phipps	<i>New Haven</i>	144 Chapel st.
Benjamin Silliman Warner	<i>Pomfret</i>	34 Hillhouse av.
Walter Watson	<i>Northampton, Mass.</i>	90 Grove st.
Charles Wilson Whittlesey	<i>New Haven</i>	524 Chapel st.
Eugene Benjamin Wilson	<i>Elizabeth, N. J.</i>	147 York st.

SCHOOL OF THE FINE ARTS

FACULTY

REV. NOAH PORTER, D.D., LL.D., PRESIDENT

JOHN F. WEIR, N.A., M.A., *Director*

JOHN H. NIEMEYER, M.A.

FREDERIC R. HONEY, *Instructor in Perspective*

JOHN P. C. FOSTER, M.D., *Instructor in Anatomy*

JOLINE B. SMITH, *Librarian*

STUDENTS

Georgianna Ayres	<i>Kansas</i>
Emma H. Bacon	<i>Meriden</i>
Florence J. Bail	<i>New Haven</i>
Henry Baldwin, B.A.	<i>Hartford</i>
John Clark	<i>New Haven</i>
Julie I. Coe	<i>New Haven</i>
Jessalyn A. Crouch	<i>Middlefield</i>
Lucy M. Dungan	<i>New Haven</i>
Frank W. Fellowes	<i>New Haven</i>
Henry Gardiner	<i>New Haven</i>
Carrie S. Gold	<i>West Cornwall</i>
Caroline Hensell	<i>Hartford</i>
Allie S. Johnson	<i>New Haven</i>
Helen E. Leonard	<i>Seymour</i>
Charles R. Loomis	<i>Hartford</i>
Walter E. Nettleton	<i>Stockbridge, Mass.</i>
Annie F. Penfield	<i>Rockland, Ill.</i>
Louise Powe	<i>New Haven</i>
Edith Reilly	<i>New Haven</i>
Melissa Relyea	<i>Green's Farms</i>
Lucy Trowbridge	<i>New Haven</i>
Jessia A. Wier	<i>New Haven</i>
Abbie E. Woodbury	<i>Norwalk</i>

STUDENTS, 23

In addition to the above, fifty-eight undergraduate students of the Sheffield Scientific School, and four undergraduate students of the Academical Department, are receiving instruction in the Art School.

SUMMARY OF STUDENTS

DEPARTMENT OF THEOLOGY	-	-	-	-	107
DEPARTMENT OF MEDICINE	-	-	-	-	56
DEPARTMENT OF LAW	-	-	-	-	59
DEPARTMENT OF PHILOSOPHY AND THE ARTS:					
GRADUATE INSTRUCTION	-	-	-		50
UNDERGRADUATE ACADEMICAL DEPARTMENT					577
SHEFFIELD SCIENTIFIC SCHOOL	-		-		194
SCHOOL OF THE FINE ARTS	-		-		23
					<hr style="width: 10%; margin-left: 0;"/> 844
					<hr style="width: 10%; margin-left: 0;"/> 1066
Deduct for names inserted twice				-	27
					<hr style="width: 10%; margin-left: 0;"/>
Total	-	-	-	-	1039

GENERAL STATEMENT

The departments of instruction in YALE COLLEGE are comprehended under four divisions, as follows :

The Faculty of THEOLOGY,
of MEDICINE,
of LAW,
of PHILOSOPHY AND THE ARTS.

Under the last named Faculty are included, the COURSES FOR GRADUATE INSTRUCTION, the UNDERGRADUATE ACADEMICAL DEPARTMENT, the UNDERGRADUATE SECTION OF THE SHEFFIELD SCIENTIFIC SCHOOL, and the SCHOOL OF THE FINE ARTS—each having a distinct organization.

In the particular statements which follow, the Department of Philosophy and the Arts is first given, with its subdivisions in the order named ; and afterwards the three Professional Departments.

The legal designation of the Corporation is "THE PRESIDENT AND FELLOWS OF YALE COLLEGE IN NEW HAVEN."

DEPARTMENT OF PHILOSOPHY AND THE ARTS



GRADUATE DEPARTMENT

Graduates of this and other Colleges, and other persons of liberal education (not less than eighteen years old), are received as students for longer or shorter periods, with or without reference to the attainment of a degree.

An Executive Committee has a general oversight of the students in this department. The Committee this year is composed of Professors WHITNEY, NEWTON, BRUSH, and WHEELER. They receive the names of applicants for instruction, and judge and approve the courses of study proposed; and information may be obtained from them as to conditions, terms, etc. Students may also make special arrangements with any instructor according to their mutual convenience.

Instruction is given partly by lectures, partly by recitations and by oral and written discussions, partly by directing courses of reading, and partly by work in the laboratories and with instruments.

The terms and vacations correspond with those in the Undergraduate Departments. (See Calendar, p. 4.)

The fee for instruction in connection with the Sheffield Scientific School is \$150 a year; in other cases generally \$100, or more or less, according to the course pursued and the amount of instruction received.

THE DEGREE OF DOCTOR OF PHILOSOPHY is conferred upon those who, after having taken a Bachelor's degree (implying a course of undergraduate study equivalent to that pursued in the Academical Department), and having studied in this department for not less than two years, shall have passed a satisfactory final examination and presented a thesis giving evidence of high attainment in the branches of knowledge pursued. It is not given, upon examination, to those whose studies are pursued elsewhere. The requirements for it will in some cases exact of the student more than two years of

labor; especially when the course of undergraduate study has been less than four years. A good knowledge of Latin, German, and French will be required in all cases, unless, for some exceptional reason, the candidate be excused by the Faculty. The graduating fee is ten dollars.

The courses of instruction given in the department may be grouped as follows:

1. *Intellectual Philosophy: Ethics.*

President PORTER: Psychology; Philosophy; History of Philosophy; Ethics.

2. *Political Science.*

Ex-President WOOLSEY: International Law.

Professor BREWER: Relations of Physical Geography to Political History.

Professor WHEELER: History of England to Henry VII.

Professor WALKER: Public Finance; Statistics of Industry.

Professor SUMNER: Politics and Finance in the History of the United States; American Constitutional Law; Sociology.

Mr. A. S. WHEELER: the Institutes of Gaius and of Justinian; select titles of the *Corpus Juris*; German text-books of Roman Law.

3. *Philological Science; Literature.*

Professor THACHER and Professor H. P. WRIGHT: Latin.

Dr. J. H. TRUMBULL: the American Indian Languages, especially the dialects of the Algonkin family.

Professor WHITNEY: the general principles of Linguistic Science; the Comparative Philology of the Indo-European Languages; the Sanskrit Language.

Professor PACKARD: Greek; the History of Greek Literature.

Professor WILLIAMS: the Chinese Language and Literature.

Mr. VAN NAME: the elements of the Japanese Language.

Professor LOUNSBURY: the Anglo-Saxon Language; the early forms and literature of English.

Professor COE: Old French and Provençal.

Professor CARTER: the older Germanic Languages and Literature, including Gothic.

Professor DAY: the Hebrew and other Semitic Languages.

4. *Mathematics.*

Professor NEWTON: Calculus; Analytical Mechanics; Lunar and Planetary Theories; Higher Geometry.

Professor CLARK: Definite Integrals; Differential Equations; Analytical Mechanics; the Theory of Numerical Approximations; the Method of Least Squares.

Professor GIBBS: the Laws of Vibratory and Undulatory Motion, with especial reference to Light and Sound; the Potential Function, with its application to the theories of Electricity and Magnetism; Capillarity.

5. *Physics; Chemistry; Astronomy.*

Professor LOOMIS: Meteorology, with especial reference to the making and reducing of observations.

Professor NORTON: Spherical Astronomy.

Professor LYMAN: the use of Meridional and other Astronomical Instruments.

Professor JOHNSON: Theoretical and Analytical Chemistry.

Professor A. W. WRIGHT: Physical Manipulation, in the departments of Heat, Light, and Electricity, with practical directions as to the management of apparatus.

Professor ALLEN: Analytical Chemistry.

Professor DU BOIS: Thermodynamics.

6. *Geology; Natural History.*

Professor DANA: Geology.

Professor BRUSH: the Analysis and Determination of Mineral species; Descriptive Mineralogy.

Professor EATON: Structural and Systematic Botany, including the North American Flora and the description of genera and species.

Professor MARSH: Palæontology; Comparative Osteology.

Professor VERRILL and Professor S. I. SMITH: Zoology.

Dr. E. S. DANA: Optical Mineralogy; Crystallography.

7. *Applied Science.*

Professor NORTON: Applied Mechanics.

Professor LYMAN: Astronomical Spectroscopy.

Professor JOHNSON: Agricultural Chemistry.

Professor BREWER: Agriculture; Forest Culture.

Professor ALLEN: Metallurgy; Assaying.

Professor DU BOIS: Dynamical Engineering.

8. *Fine Arts.*

For the instruction open to Graduates in the School of the Fine Arts, see page 73.

THE DEGREE OF MASTER OF ARTS is conferred on Bachelors of Arts of two years' standing or upwards, who have given to the Academical Faculty evidence of having made satisfactory progress in liberal studies after receiving their first degree.

Such evidence may be furnished by one year's systematic study (not professional) in New Haven, under the direction of the Academical Faculty, followed by an examination.

Such Bachelors of Arts of this College as may not choose to reside at the College for the prosecution of study, may show, at any time not less than three years after graduation, by their printed essays, or by submitting to special examinations, that they have spent a year in liberal (and non-professional) study, and are worthy of recommendation for this degree.

A committee of the Faculty is appointed (consisting, for the present year, of Professors NEWTON and WHEELER), to whom candidates for this degree must submit their proposed courses of study by the first of November in each year; and the evidence of a year's study must be submitted to the same committee by the first of the following June.

In the case of resident students, the charge for instruction will usually be \$100, with a fee of ten dollars for the degree. In the case of non-residents, the fee for examinations and the degree will usually be \$25.

THE DEGREES OF CIVIL AND DYNAMIC ENGINEER are conferred on Bachelors of Philosophy who have taken the first degree in Engineering study, and who pursue a higher course for at least two years, sustaining a final examination, and giving evidence of their ability to design important constructions and make the requisite drawings and calculations. The fee for graduation is \$5.

UNDERGRADUATE ACADEMICAL DEPARTMENT

CANDIDATES FOR ADMISSION to the Freshman Class are examined in the following books and subjects:

Latin Grammar.

Sallust—Jugurthine war; or four books of Cæsar.

Cicero—seven Orations.

Virgil—Bucolics, Georgics, and first six books of the *Æneid*, including Prosody.

Arnold's Latin Prose Composition, to the Passive voice (first twelve chapters). It is suggested to teachers, in addition to the use of the work named, to connect simple exercises in making Latin, either oral or written, with all the Latin studies of their pupils throughout the preparatory course.

Greek Grammar—with translation of English into Greek.

Xenophon—Anabasis, four books.

Homer—Iliad, three books, with Prosody.

Greek History.

The rules for pronunciation given in Hadley's Grammar are recommended as a guide. For Greek History, Dr. William Smith's or Fyffe's text-book, and for Greek Composition, Jones's Exercises or White's Lessons are suggested.

Higher Arithmetic—including the metric system of weights and measures.

Algebra—so much as is included in Loomis's Treatise, up to the chapter on Logarithms.

Euclid—first two books. [The first, third, and fourth books of Davies's Legendre's Elements of Geometry, or of Loomis's Elements of Geometry, may be offered instead of Euclid.] In Geometry, the candidate must be prepared on the principles of construction, as he will be required to draw the figures for the demonstration of propositions.

English Grammar and Geography; a thorough knowledge of which is required.

THE REGULAR EXAMINATION FOR ADMISSION is held at Graduates' Hall, New Haven, on the Friday, Saturday, and Monday following Commencement (June 28, 29, July 1, 1878): *attendance is required at the beginning of the examination, at 9 A. M. on Friday*; those candidates will be detained until Monday, whose examination cannot, for any reason, be finished on Saturday. The examination is partly oral and partly written; copies of papers recently given (covering only the *written* portion of the examination) will be sent on application.

In 1878 an examination for admission to the Freshman Class will also be held in Chicago (beginning on Friday, June 28, at 9 A. M.), at a place to be announced in the Chicago newspapers of the day previous. This examination will be wholly in writing. Candidates who propose to be present are requested to send their names to the Secretary before June 15.

A second examination (for those who cannot attend the first) is held in New Haven at the beginning of the College year, on Tuesday and Wednesday (Sept. 10, 11, 1878): candidates for this examination must attend at Graduates' Hall at 9 A. M. on Tuesday.

Persons applying to be examined at other times must first obtain special permission from the Faculty, and pay to the Treasurer a fee of ten dollars. In general, no examinations for admission to the Freshman Class can be held before Commencement, or during vacation.

ADVANCED STANDING—All candidates for advanced standing, *whether from other Colleges or not*, are examined, in addition to the preparatory studies, in those already pursued (see next page) by the Class which they wish to enter. In the several languages, for the particular books studied by the Class, equivalent amounts may be offered from other books in the same language.

Bachelors of Arts or of Philosophy of any institution may join the Senior Class without examination, as candidates for the degree of Doctor of Philosophy after three years' study. (See p. 48.)

No one can be admitted to the Senior Class after the beginning of the second term.

AGE—No one can be admitted to the Freshman Class till he has completed his fifteenth year, nor to an advanced standing without a corresponding increase of age.

TESTIMONIALS—Satisfactory testimonials of good moral character (preferably from the last principal instructor) are in all cases required, before a certificate of admission is granted; and students from other Colleges must present certificates of dismissal in good standing.

BOND—Every person must give to the Treasurer, on being admitted, a bond, executed by his parent or guardian, for five hundred dollars, as security for the payment of all charges arising under the laws of the College.

COURSE OF INSTRUCTION.

THE COURSE OF INSTRUCTION occupies four years. In each year there are two terms or sessions.

The following is a scheme of the studies, or, more correctly, of equivalents which will be accepted from candidates for advanced standing :—

FRESHMAN YEAR :

FIRST TERM—*Greek*—Homer's *Odyssey*, begun. *Latin*—Livy, begun ; Cicero's Second Philippic ; Arnold's Latin Composition (to page 150). *Mathematics*—Loomis's Algebra ; Todhunter's Euclid ; Chauvenet's Geometry. *Hygiene*—Lectures.

SECOND TERM—*Greek*—Homer's *Odyssey*, continued through four books ; Herodotus, continued through half of the first book ; Arnold's Greek Composition. *Latin*—Livy, continued through one book ; Cicero *de senectute* ; Ovid, Ramsay's Selections ; Roman Antiquities. *Mathematics*—Chauvenet's Geometry ; Loomis's Trigonometry. *Rhetoric*—Recitations and Lectures. Compositions.

SOPHOMORE YEAR :

FIRST TERM—*Greek*—Six Orationes of Demosthenes. *Latin*—Odes Horace ; Agricola of Tacitus. *Mathematics*—Loomis's Trigonometry. *Rhetoric*—Lectures on Composition. Compositions. Criticism.

SECOND TERM—*Greek*—Prometheus of Æschylus ; Xenophon's *Memorabilia*, one book ; Antigone of Sophocles ; Plato's *Apology* of Socrates and *Crito*. *Latin*—Satires and Epistles of Horace ; Satires of Juvenal ; Cicero *de officiis*. *Mathematics*—Loomis's Trigonometry ; Loomis's Conic Sections ; Loomis's Analytical Geometry ; Mechanics. *Rhetoric*—Lectures on Elocution, with practice. Declamations. Compositions.

JUNIOR YEAR :

FIRST TERM—*Physics*—Ganot's Physics. *German*—Whitney's Grammar and Reader ; German Composition. *English*—Shakespeare ; Forensic Disputations. *Chemistry*—Barker's Chemistry ; Lectures.

For optional studies (*Latin, Greek, Mathematics, French*) see next page.

SECOND TERM—*Natural Philosophy*—Ganot's Physics. Lectures. *English*—Chaucer, Recitations. Forensic Disputations. *German*—Whitney's Grammar and Reader ; German Composition. *Zoology*—Huxley's Physiology. Lectures. Laboratory Practice. *Astronomy*—Loomis's Astronomy, to Chapter x. *Logic*—Jevons's Logic.

For optional studies (*Latin, Greek, Mathematics, French, Anglo-Saxon, Zoology, Botany*) see next page.

SENIOR YEAR :

FIRST TERM—*Mental Philosophy*—Porter's Human Intellect. Lectures. *Geology*—Dana's Geology. *Political Science*—Fawcett's Political Economy. Lectures. *Rhetoric*—Compositions. Criticism.

For optional studies (*Latin, Greek, French, German, Sanskrit, English, Mathematics, Astronomy, Mineralogy, European History*) see below.

SECOND TERM—*Natural Theology and Evidences of Christianity*—Lectures. *Moral Philosophy*—Recitations. Lectures. *History of Philosophy*—Schwegler's History. *History*—Hallam's Constitutional History. Lectures. *Evolution and Cosmogony*—Lectures. *Rhetoric*—Compositions. Criticism. *Political and Social Science*—Recitations. Lectures. *International Law*—Woolsey's International Law. *Elements of Jurisprudence and American Constitutional Law*—Lectures.

For optional studies (*Philosophy, Latin, Greek, French, German, Sanskrit, English, Linguistics, Mathematics, Physics, Meteorology, Geology, Palæontology, American History, Political Science*) see below.

OPTIONAL STUDIES—Every student is required to have four exercises a week in an optional study, during Junior and Senior years. Change from one optional to another is allowed at the end of Junior year, and also to a new optional whenever one is begun. Any student who can on examination show thorough acquaintance, in advance, with one or more of the required studies of Junior or Senior year, may choose instead a second optional. The following courses of optional studies are provided.

I. PHILOLOGY.

1. ANCIENT LANGUAGES: (a) GREEK, through Junior and Senior years, four exercises a week, with Professor Packard; the *Seven against Thebes* and the *Oresteia* of Æschylus. (b) LATIN, through Junior and Senior years, with Professor Thacher, four exercises a week. (c) SANSKRIT, through Senior year, with Professor Whitney, two double exercises a week.

2. MODERN LANGUAGES AND LITERATURE: (a) FRENCH, through Junior and Senior years, four exercises a week, with Professor Coe; in Junior year, French Composition, Modern French Authors; in Senior year, French Composition, Corneille, Racine, Molière, Boileau, LaFontaine. A knowledge of the elements of the French language is required of students who choose French as an optional study in Junior year. The examination may be passed at the time of the Sophomore annual examination, or at the beginning of Junior year, and will be upon Chardenal's First French Course. (b) GERMAN, through Senior year, four exercises a week, with Professor Carter; Schiller's *Die Piccolomini*, Goethe's *Iphigenie*, selections from Goethe's Prose, Lessing's *Laocoon*, German Composition. (c) ANGLO-SAXON, through the second term of Junior year, with Professor Beers, four exercises a week;

Sweet's Anglo-Saxon Reader. (*d*) ENGLISH LITERATURE, through Senior year, with Professor Beers ; for the first term, four exercises a week ; for the second term, two exercises a week ; Mätzner's *Alt-Englische Sprachproben* ; Skeat's *Specimens of English Literature* ; Lectures.

3. LINGUISTICS : Through the first half of the second term of Senior year, two exercises a week, with Professor Whitney.

II, INTELLECTUAL PHILOSOPHY.

With President Porter, through the second term of Senior year, two exercises a week.

III, HISTORY AND POLITICAL SCIENCE.

1. EUROPEAN HISTORY, through the first term of Senior year, with Professor Wheeler, four exercises a week ; Hallam's *Middle Ages*.

2. AMERICAN HISTORY, through the second term of Senior year, with Professor Dexter, two exercises a week ; Bancroft's *History of the United States*.

3. POLITICAL ECONOMY, through the second term of Senior year, with Professor Sumner, two exercises a week.

IV, MATHEMATICS AND ASTRONOMY.

1. MATHEMATICS, through Junior and Senior years, four exercises a week, with Professor Newton ; Loomis's *Calculus*, followed by *Analytical Mechanics or Higher Geometry*.

2. ASTRONOMY, through the first term of Senior year, four exercises a week, with Professor Loomis ; Loomis's *Astronomy*.

V, MOLECULAR AND TERRESTRIAL PHYSICS.

1. PHYSICS, through the second term of Senior year, two exercises a week, with Professor A. W. Wright.

2. METEOROLOGY, through the second term of Senior year, four exercises a week ; Loomis's *Meteorology*.

VI, NATURAL SCIENCE AND GEOLOGY.

1. ZOOLOGY, through the second half of the second term of Junior year, four exercises a week, with Mr. J. K. Thacher.

2. MINERALOGY AND MATHEMATICAL CRYSTALLOGRAPHY, through the first term of Senior year, with Professor Dana, four exercises a week ; Dana's *Text-Book*.

3. GEOLOGY, through the first half of the second term of Senior year, with Professor Dana, four exercises a week ; Dana's *Manual*.

4. PALÆONTOLOGY, through the second half of the second term of Senior year, with Mr. J. K. Thacher ; Dana's *Manual of Geology*. [Geology and Palæontology make together one course ; those taking this course must have first taken the course in Mineralogy and Crystallography.]

5. BOTANY, through the second half of second term of Junior year, with Professor Eaton, four exercises a week.

EXERCISES IN DECLAMATION AND COMPOSITION—The Senior Class have exercises in English composition, and the Junior Class, in forensic disputation, through the year.

The Sophomore Class during the whole year, and the Freshman Class, during the latter half of the second term, have exercises in English composition.

The Sophomore Class have regular exercises in elocution ; and once a week, during a part of the year, have an exercise in declamation before the Professor of Rhetoric and the members of the Class.

PUBLIC EXAMINATIONS are held at the close of the first and at the middle of the second term, on the studies of the term and half-term ; and, at the close of the year, on all the studies of the year. The annual examinations are conducted wholly in writing, and continue for about two weeks.

VOCAL MUSIC—Gratuitous instruction in Vocal Music is given during a part of the year (the exercises being open to members of all the Departments of the College), subject, however, to a small charge for fire and lights.

TERMS AND VACATIONS.

THE PUBLIC COMMENCEMENT is held on the Thursday after the last Wednesday in June. The first term begins eleven weeks from Commencement-day and continues fourteen weeks : the second term begins on the second Thursday in January and continues until Commencement-day, with a Spring recess—usually of eight days—including Easter. (See Calendar, p. 4.) The exercises of each term begin with prayers in the Chapel on Thursday morning.

LEAVE OF ABSENCE—No student is allowed to be absent without special leave, except in the vacations.

PUBLIC WORSHIP.

PRAYERS are attended in the Battell Chapel every morning, with reading of the Scriptures and singing, and all the students are required to be present.

PUBLIC WORSHIP is held in the Chapel on Sundays, at which all the students are required to attend, except such as have special permission to attend the worship of other denominations, to which their parents belong. Such permission can be obtained only on presenting to the President a written request therefor from the parent or guardian.

GYMNASIUM.

THE GYMNASIUM is designed to provide all the students with opportunities for exercise. Those who use the bath-rooms pay a small fee for tickets.

EXPENSES.

THE TREASURER'S BILLS are made out three times a year, viz., at the close of the first term, and at the middle and close of the second term, at which times they are payable. The bills must be paid within two weeks after the beginning of the succeeding term or half-term, or the student is liable to be prohibited from reciting. Drafts on Boston, New York, and Philadelphia will be received at par.

The annual charge for tuition and incidentals is \$140.

For the rent and care of a half-room in the College buildings, the average charge is thirty-five dollars per year.

OTHER CHARGES—There are additional charges at graduation, amounting to eighteen dollars. If a student occupies a room alone, the charge for rent and care is ordinarily double that stated above.

ABSENCE ON LEAVE—A student who is absent from College on account of sickness, or for any other cause, and still retains his place in his class, pays full tuition during such absence.

BOARD is obtained at prices varying from four to eight dollars a week. The average price for the summer of 1876 was about \$5.25. Board may be obtained in clubs, at a lower rate than is common in boarding houses.

ROOMS—There are at present in the College buildings above two hundred rooms occupied by students, at prices varying (according to location) from \$25 to \$140 per year, not including vacations. Students living out of College are not allowed to room in any building in which a family does not reside, except by special permission of the Faculty.

FURNITURE, BOOKS, ETC.—Students provide for themselves furniture, fuel, lights, and text-books; if books and furniture are sold when the student has no further necessity for them, the expenses incurred by their use will not be great.

NECESSARY EXPENSES—The following may be considered a near estimate of the *necessary* annual expenses, for a student occupying a half-room in College, without including apparel, traveling, and board in vacations :—

Treasurer's bill (according to location of room),	from \$160 to \$220	
Board, 37 weeks,	- - - - -	" 150 to 300
Fuel, lights, and washing,	- - - - -	" 35 to 65
Use of text-books and furniture,	- - - - -	" 30 to 65
Total,	- - - - -	\$375 \$650

COLLEGE GUARDIAN—As a precaution against extravagance, parents at a distance sometimes deposit funds with one of the Faculty; who, in that case, attends to the pecuniary concerns of the student, settles his bills, corresponds with the parent, and transmits an account of expenditures, for which services he charges a commission.

BENEFICIARY FUNDS.

The sum of \$12,000 and upwards, derived partly from permanent charitable funds, is annually applied by the Corporation for the relief of students who need pecuniary aid, especially of those preparing for the Christian ministry. About one hundred thus have their tuition either wholly or in part remitted. Students needing such aid should apply to the President, soon after entering College. Assistance will be withdrawn from students who incur serious College censure, or who fail to maintain a reputable scholarship.

THE HARMER FOUNDATION OF SCHOLARSHIPS comprises six scholarships, each yielding one hundred dollars a year, to be given to deserving students of small means.

There are also eighteen other Scholarships, most of them yielding sixty dollars a year, which may be given to such students as shall be selected by the founders or the Faculty.

Students who need to avail themselves of the use of the Benevolent Library are supplied gratuitously with many of the text-books used in the College course.

FELLOWSHIPS AND SCHOLARSHIPS.

THE DOUGLAS FELLOWSHIP, with an income of at least six hundred dollars a year, was founded in 1873 by Mrs. Samuel Miller, of New Haven, and named in memory of her brothers, Rev. Sutherland Douglas (Y. C. 1822) and George H. Douglas (Y. C. 1828). The incumbent, who must be a recent graduate of the Academical Department, pursuing non-professional studies in New Haven, is elected annually, but may not hold the Fellowship for more than three years.

THE SOLDIERS' MEMORIAL FELLOWSHIP, with an annual income of six hundred dollars, was founded in 1875 by Mrs. Theodosia D. Wheeler, of New Haven, in honor of the alumni who fell in battle as Union soldiers, in the war of 1861-1865, and in especial remembrance of William Wheeler, of the class

of 1855. The incumbent must be at the time of his election a graduate of the Academical Department, of not more than three years' standing. He shall reside in New Haven, pursuing non-professional studies, and may hold the Fellowship for a period not exceeding five years.

THE BERKELEY SCHOLARSHIP, yielding about forty-six dollars a year, is awarded to the student in each Senior class who passes the best examination in the Greek Testament (Pauline Epistles), the first book of Thucydides, the first six books of Homer's Iliad, Cicero's Tusculan Questions, Tacitus (except the Annals), and Horace; provided he remain in New Haven as a graduate, one, two, or three years.

THE CLARK SCHOLARSHIP, yielding one hundred and twenty dollars a year, is awarded in each Senior Class to the applicant who has passed the best examinations in the studies of the College course; provided he remain in New Haven one or two years immediately succeeding his graduation, pursuing a course of study (not professional) under the direction of the Faculty.

THE LARNED SCHOLARSHIP, yielding three hundred dollars a year, and tenable for three years, is awarded in each Senior Class. The incumbent must reside in New Haven, pursuing a course of advanced study subject to the direction of the Faculty.

THE BRISTED SCHOLARSHIP, yielding over one hundred dollars a year, is awarded, whenever there is a vacancy, to the student in the Sophomore or Junior Class who passes the best examination in the Greek and Latin classics and mathematics. The successful candidate receives the annuity (forfeiting one-third in case of non-residence) until the end of the third year after graduation.

THE WOOLSEY SCHOLARSHIP, yielding sixty dollars a year, is awarded to the student in each Freshman Class, who passes the best examination in Latin composition (excellence in which is essential to success), in the Greek of the year, and in the solution of algebraic problems. The successful candidate receives the annuity, under certain conditions, during the four years of his College course. The student who stands second at this examination receives for one year the income of the HURLBUT SCHOLARSHIP; and the student who stands third, the income for one year of the THIRD FRESHMAN SCHOLARSHIP. The income of each of these Scholarships is sixty dollars.

THE W. W. DEFOREST SCHOLARSHIP, yielding one hundred and twenty dollars a year, is awarded to a student in each Senior Class who has attained distinction in the study of French while in College, provided he remain in New Haven the year after graduation, pursuing a further course of study in the Romance languages under the direction of the Faculty.

PREMIUMS.

THE DE FOREST PRIZE MEDAL, of the value of \$100, is awarded "to that scholar of the Senior Class who shall write and pronounce an English Oration in the best manner."

THE TOWNSEND PREMIUMS, five in number, of twelve dollars each, are awarded in the Senior Class for the best specimens of English Composition.

THE SENIOR MATHEMATICAL PRIZES (the first consisting of a gold medal of the value of ten dollars and of ten dollars in money, the second of ten dollars in money) are offered to the Senior class for the best solutions of problems in both abstract and concrete mathematics.

COLLEGE PREMIUMS are offered to the Senior Class for the solution of problems in Practical Astronomy.

THE WINTHROP PRIZES (one of two hundred dollars and one of one hundred dollars) are offered to the Junior Class "for the most thorough acquaintance with the Greek and Latin poets," as shown at an examination during the latter half of the second term.

COLLEGE PREMIUMS are given in the Sophomore Class for English composition, and for declamation, and in the Sophomore and Freshman Classes for the solution of mathematical problems.

THE SCOTT PRIZE for excellence in German is offered to the Senior Class, and in French to the Junior Class; these prizes are of the value of thirty dollars each, and are given in books.

BERKELEY PREMIUMS for Latin Composition are offered to the Freshman Class near the end of the year.

THE JOHN A. PORTER PRIZE, of two hundred and fifty dollars, is offered at each Commencement for the best English Essay. Any person who has been studying for a degree in any department of the University during the entire College year may compete for this prize.

DEGREES.

The degree of BACHELOR OF ARTS is conferred by the Corporation on those persons who have completed the course of academical exercises, as appointed by law, and have been approved on examination at the end of the course as candidates for the same. Candidates are required to pay their dues to the Treasurer as early as the Monday before Commencement.

For the degrees of Master of Arts and Doctor of Philosophy, see pages 48, 50.

SHEFFIELD SCIENTIFIC SCHOOL

THE SHEFFIELD SCIENTIFIC SCHOOL is devoted to instruction and researches in the mathematical, physical, and natural sciences, with reference to the promotion and diffusion of science, and also to the preparation of young men for such pursuits as require especial proficiency in these departments of learning.

The School, begun in 1847, and reorganized upon a more extensive scale in 1860, received in 1863, by the act of the Connecticut Legislature, the national grant for the promotion of scientific education under the Congressional enactment of July, 1862. It thus became in consequence the "College of Agriculture and the Mechanic Arts" of Connecticut.

OFFICERS AND INSTRUCTORS—Upon the Governing Board, consisting of the professors permanently attached to the School, devolves its internal management. In addition to these, and the instructors employed during the current year (mentioned on p. 39), instruction is given in Elementary and Free-hand Drawing by Professor Niemeyer, of the Yale School of the Fine Arts.

The Board of State Visitors consists of the Governor, Lieutenant-Governor, three senior Senators, and the Secretary of the Board of Education.

The Board of Councilors, invited by the Corporation to advise and assist in the progress of the School, are as follows: Hon. J. E. ENGLISH, of New Haven; Hon. M. JEWELL, of Hartford; Hon. J. R. HAWLEY, of Hartford; Hon. O. F. WINCHESTER, of New Haven; JOSEPH E. SHEFFIELD, Esq., of New Haven; Professor J. D. DANA, of New Haven; HENRY FARNAM, Esq., of New Haven; M. DWIGHT COLLIER, M.A., of St. Louis; Hon. WILLIAM E. DODGE, of New York City.

The instruction is intended for two classes of students:—

I.—Graduates of this or of other Colleges, and other persons qualified for advanced or special scientific study.

II.—Undergraduates who desire a training, chiefly mathematical and scientific, in part linguistic and literary, for higher scientific studies, or for other occupations to which such training is suited.

INSTRUCTION FOR GRADUATE AND SPECIAL STUDENTS

Persons who have gone through undergraduate courses of study, here or elsewhere, may avail themselves of the facilities of the School for more special professional training in the physical sciences and their applications, gaining in one, two or three years the degree of BACHELOR OF PHILOSOPHY, or, in two additional years of Engineering study, that of CIVIL ENGINEER or DYNAMIC ENGINEER.

Or, engaging in studies of a less exclusively practical character, they may become candidates for the degree of DOCTOR OF PHILOSOPHY, under the conditions already stated (see p. 48). The instruction in such cases will be adapted to the particular needs and capacities of each student, and may be combined with that given by the graduate instructors in other departments. The list of graduate studies pursued, either wholly in the Scientific School, or conjointly with other departments, will be found on pp. 48-50.

SPECIAL STUDENTS—For the benefit of those who, being fully qualified, desire, to pursue particular studies without reference to the obtaining of a degree, special or irregular students are received in most of the departments of the School; not however, in the Select Course, nor in the Freshman Class.

It should be distinctly understood that these opportunities are not offered to persons who are incompetent to go on with regular courses, but are designed to aid those who have received a sufficient preliminary education elsewhere to increase their proficiency in special branches.

INSTRUCTION FOR UNDERGRADUATE STUDENTS

TERMS OF ADMISSION—Candidates must be not less than fifteen years of age, and must bring satisfactory testimonials of moral character from their former instructors or other responsible persons.

For admission to the Freshman Class the student must pass a thorough examination in the following subjects:

English Grammar—including spelling and composition.

History of the United States.

Geography.

Latin—Six books of Cæsar's Commentaries, or their equivalent, and simple exercises in prose composition.

Arithmetic—including the Metric System of weights and measures.

Algebra—So much as is contained in Loomis's Treatise, up to the general theory of equations.

Geometry—Plane, solid, and spherical; including fundamental notions of symmetry, and examples of Loci and of Maxima and Minima of Plane Figures:—an equivalent to the nine books of Chauvenet's Treatise, or to the ten books of Loomis's Elements and the Appendix, up to the section on Transversals.

Trigonometry—including the analytical theory of the trigonometrical functions, and the usual formulæ; the construction and use of trigonometrical tables; and the solution of plane triangles;—so much, for example, as is contained in Wheeler's Plane Trigonometry, Boston, 1877.

In *English*, Whitney's Essentials of English Grammar (Ginn and Heath, Boston) is recommended for the examination of 1878; in the examination of 1879 it will be required.

In his preparation in GEOMETRY the candidate should, as far as practicable, have suitable exercises in proving simple theorems and solving simple problems for himself. It is important, too, that he should be accustomed to the numerical application of geometric principles, and especially to the prompt recollection and use of the elementary formulæ of mensuration. In TRIGONOMETRY he should be exercised in applying the usual formulæ to a variety of simple reductions and transformations, including the solution of trigonometrical equations. Among other works, Todhunter's "Trigonometry for Beginners" will furnish the judicious teacher much material for this class of exercises. Readiness and accuracy in trigonometrical calculations are also of prime importance to the candidate. If the use of Logarithms is postponed in his preparation till Trigonometry is taken up (which is by no means necessary or advisable), he should then have abundant applications of them to all forms of calculation occurring in ordinary practice, as well as to those appearing in the solution of triangles. Finally, in all of his calculations, he should study the art of neat, orderly, and readily intelligible arrangement.

In LATIN, in order to assure the attainment of the required proficiency, the student should have such continued training in parsing as shall make him thoroughly familiar with declensions and conjugations, and accurate and ready in the application of the rules of syntax. As an additional guarantee of the proper mastery of these grammatical elements, the requirement has been adopted of "simple exercises in prose composition." By this is meant, merely, such a course of elementary exercises in translation, orally and in writing, from English into Latin as, in connection with the systematic parsing just mentioned, shall necessitate a familiarity with grammatical forms and the leading principles of syntax, and thus render the reading of the six books of Cæsar (or their equivalent) more thorough and fruitful. Since this course of elementary exercises in translation is designed as a preparation for reading, and not as a sequel to it, it should be invariably begun at the earliest stage of the study of Latin. To avoid any misapprehension of the nature or the extent of the requirement, the following works are specifically named, among which the candidate for examination may make his own selection. These are Harkness' "Introduction to Latin Com-

position," 112 pages ; Leighton's "Latin Lessons," 91 pages ; Smith's "Principia Latina," Part I.; or McClintock's "First Latin Book," 83 lessons (193 pp.). Any equivalent of these may be offered from the many useful books of a similar character. A knowledge of Prosody is not required.

The requirement in Physics, previously existing, is discontinued for the present, the text-book recommended having been withdrawn by the publishers.

The examinations for admission take place at North Sheffield Hall, on Friday and Saturday, June 28, 29; and on Tuesday and Wednesday, September 10, 11, 1878. Opportunities for private examination may, in exceptional cases, be given at other times.

In 1878 an examination will also be held in Chicago (beginning on Friday, June 28, at 9 A. M.), at a place to be announced in the Chicago newspapers of the day previous.

Candidates for advanced standing in the undergraduate classes are examined, in addition to the preparatory studies, in those already pursued by the class they wish to enter. No one can be admitted as a candidate for a degree, later than at the beginning of the Senior year.

THE COURSES OF INSTRUCTION, occupying three years, are arranged to suit the requirements of various classes of students. The first year's work is the same for all; during the last two years the instruction is chiefly arranged in special courses.

The special courses most distinctly marked out are the following:—

- (a.) In Chemistry ;
- (b.) In Civil Engineering ;
- (c.) In Dynamic (or Mechanical) Engineering ;
- (d.) In Agriculture ;
- (e.) In Natural History ;
- (f.) In Biology preparatory to Medical Studies ;
- (g.) In studies preparatory to Mining and Metallurgy ;
- (h.) In Select studies preparatory to other higher studies.

The arrangement of the studies is indicated in the annexed scheme.

FRESHMAN YEAR—INTRODUCTORY TO ALL THE COURSES.

FIRST TERM—*German*—Whitney's Grammar and Reader. *English*—Hadley's Brief History of the English Language; Exercises in Composition. *Mathematics*—Plane Analytical Geometry. *Physics*—Atkinson's Ganot, with experimental lectures. *Chemistry*—Eliot and Storer's Manual: Laboratory practice. *Elementary Drawing*—Practical Lessons in the Art School.

SECOND TERM—*Language, Physics, Chemistry, and Drawing*—as stated above. *Mathematics*—Elements of the Theory of Numerical Approximations; Solution of Higher Numerical Equations; Methods of Interpolation; Analytical Geometry in Space; Spherical Trigonometry. *Physical Geography*—Lectures. *Botany*—Gray's Lessons, with Lectures. *Political Economy*—Elementary Lectures. *Drawing*—Orthographic Projection.

For the Junior and Senior years the students select for themselves one of the following courses:—

(a.) IN CHEMISTRY.

JUNIOR YEAR:

FIRST TERM—*Theoretical and Organic Chemistry*—Lectures. *Qualitative Analysis*—Fresenius. *Laboratory Practice*. *Blowpipe Analysis*. *German*. *French*.

SECOND TERM—*Laboratory Practice*—Quantitative Analysis. *Mineralogy*—Blowpipe Analysis and Determination of Species. Lectures. *French*. *German*.

SENIOR YEAR:

FIRST TERM—*Laboratory Practice*—Volumetric and Organic Analysis. *Geology*—Dana's. *Zoology*—Lectures and Excursions. *French*.

SECOND TERM—*Laboratory Practice*—Mineral Analysis and Assaying. *Agricultural Chemistry*—Recitations and Lectures (optional). *Geology*—Dana's Manual. *Metallurgy* (optional). *Mineralogy* (optional). *French*. *Zoology*—Lectures.

(b.) IN CIVIL ENGINEERING.

JUNIOR YEAR:

FIRST TERM—*Mathematics*—Differential and Integral Calculus. Descriptive Geometry. *Surveying*—Field Operations. *Drawing*—Binns' Orthographic Projections. *German*. *French*.

SECOND TERM—*Mathematics*—Integral Calculus. Rational Mechanics. Descriptive Geometry. *Drawing*—Projection of Shadows and Perspective. Topographical. Warped Surfaces. *Surveying*—Topographical. *German*. *French*.

SENIOR YEAR:

FIRST TERM—*Field Engineering*—Laying out Curves. Location of line of Railroad, with calculations of Excavation and Embankment. Hencks' Field Book for Railroad Engineers. *Civil Engineering*—Stone Cutting—with graphical problems. Mahan's Civil Engineering. *Geology*—Dana's. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *French*.

SECOND TERM—*Civil Engineering*—Resistance of Materials. Bridges and Roofs. Building Materials. Stability of Arches and Walls. *Dynamics*—Principles of Mechanism. Steam Engine. *Hydraulics*—Hydraulics and Hydraulic Motors. *Drawing*—Graphical Statics. *Astronomy*—Loomis's Astronomy, with practical problems. *Mineralogy*—continued. *Geology*—Dynamic. *French*.

(c.) IN DYNAMIC ENGINEERING.

JUNIOR YEAR:

FIRST TERM—Differential and Integral Calculus. Descriptive Geometry. The use of the Level, Theodolite, and Transit. Instrumental Drawing. *German*. *French*.

SECOND TERM—Integral Calculus. Rational Mechanics. Instrumental Drawing. General Theory of Motion, and Principles of Mechanism. *German*. *French*.

SENIOR YEAR:

FIRST TERM—Principles of Mechanism. Applications of the Principles of Mechanics to Machinery. Machine Construction. Blowpipe Analysis. Resistance of Materials. Construction of roof trusses, girders, and iron bridges. Machine Drawing. *Geology*. *French*.

SECOND TERM—General principles of Heat employed as a source of power. The construction of Steam Generators. Steam Engines. Hot Air Engines. Water Engines. Water Wheels. The Construction of Water Reservoirs, and Conduits. Measurement of Water Supply. Discharge of Pipes, etc. Graphical Statics. Machine Designing. *Metallurgy*. *Geology*.

(d.) IN AGRICULTURE.

JUNIOR YEAR:

FIRST TERM—*Theoretical and Organic Chemistry*—Lectures. *Qualitative Analysis*—Fresenius. *Laboratory Practice*. *Blowpipe Analysis*. *German*. *French*.

SECOND TERM—*Laboratory Practice*—Quantitative Analysis. *Mineralogy*—Blowpipe Analysis and Determination of Species. *Physical Geography*—Lectures. *Botany*—Lectures. *French*. *German*.

SENIOR YEAR:

FIRST TERM—*Agriculture*—Cultivation of the Staple Crops of the Northern States. Tree Planting and Forestry. *Agricultural Chemistry*—Johnson's. *Physiology*—Huxley's. *Geology*—Dana's. *Zoology*. *English*. *French*.

SECOND TERM—*Agriculture*—Laws of Heredity and Principles of Breeding. Lectures. *Geology*—Dana's. *Rural Economy*—History of Agriculture and Sketches of Husbandry in Foreign Countries. Systems of Husbandry. *Agricultural Chemistry*—Johnson's. *Geology*—Dana's. *Zoology*. *Botany*. *Microscopy*. *English*. *French*.

(e.) IN NATURAL HISTORY.

(Either Geology, Mineralogy, Zoology, or Botany, may be made the principal study, some attention in each case being directed to the other three branches of Natural History.)

JUNIOR YEAR:

FIRST TERM—*Chemistry*—Qualitative Analysis. Laboratory Practice. Recitations. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *Botany*—Gray's Manual; Use of the Microscope. *German*. *French*.

SECOND TERM—*Zoology*—Laboratory Practice. Excursions (land and marine). *Botany*—Laboratory Practice. Thomé's Text-book. Excursions. *Mineralogy*—continued. *Physical Geography*. *German*. *French*.

SENIOR YEAR:

FIRST TERM—*Geology*—Dana's. Excursions. *Zoology*—Laboratory Practice. Lectures. Excursions. *Botany*.—Herbarium Studies. Excursions. *Physiology*—Huxley. *Linguistics*—Whitney's Life and Growth of Language. *French*.

SECOND TERM—*Geology*—Dana's. *Anatomy of Vertebrates*—Huxley's. *Zoology*—Laboratory Practice. Lectures. *Botany*—Herbarium Studies, especially in the Cryptogamous Orders. Botanical Literature. Essays in Descriptive Botany. *Meteorology*. *French*.

Besides the regular courses of recitation and lectures on structural and systematic Zoology and Botany, and on special subjects, students are taught to prepare, arrange, and identify collections, to make dissections, to pursue original investigations, and to describe genera and species in the language of science. For these purposes, large collections in Zoology and Palæontology belonging to the College are available, as are also the private botanical collections of Professor Eaton.

(f.) IN BIOLOGY—PREPARATORY TO MEDICAL STUDIES.

During the Junior year, the work of this course is chiefly under the direction of the instructors in Chemistry. Especial attention is given to qualitative and quantitative analysis, in their physiological and medical bearings; and

to the preparation and study of the organic proximate elements. In Toxicology the organic and mineral poisons are carefully studied. The special studies of the Senior year are wholly biological, particular attention being paid to the elements of comparative anatomy, histology, and physiology, to structural and physiological botany, and to systematic zoology. Instruction is also given in embryology, the laws of heredity, and human parasites. The order of studies is as follows:

JUNIOR YEAR:

FIRST TERM—*Chemistry*—Qualitative Analysis—Fresenius'. Laboratory Practice. Recitations. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *German, French.*

SECOND TERM—*Physiological Chemistry*—Klein's Handbook. *Toxicology*—Fresenius'. Laboratory practice. Recitations. Lectures. *Botany*—Lectures, Practical Exercises in Phenogamous Plants, and Excursions. *Mineralogy*—continued. *German, French.*

SENIOR YEAR:

FIRST TERM—*Comparative Anatomy and Histology*—Laboratory Practice. *Physiology*—Huxley's, with Practical Exercises. *Botany*—Practical Exercises, Lectures, and Excursions. *Geology*—Dana's Manual. *Zoology*—Lectures and Excursions. *French.*

SECOND TERM—*Comparative Anatomy and Histology*—Laboratory Practice and Recitations. *Botany*—Lectures. Laboratory Practice in Cryptogamia, etc. *Geology*—Dana's Manual. *Zoology*—Lectures. *Laws of Heredity and Principles of Breeding*—Lectures. *French.*

(g.) IN STUDIES PREPARATORY TO MINING AND METALLURGY.

Young men desiring to become Mining Engineers, can pursue the regular course in Civil or Mechanical Engineering, and at its close can spend a fourth year in the study of metallurgical chemistry, mineralogy, etc.

(h.) IN THE SELECT STUDIES PREPARATORY TO OTHER HIGHER STUDIES.

JUNIOR YEAR:

FIRST TERM—*Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *Astronomy, English*—Early English. *History*—Freeman's Outlines. *French, German.*

SECOND TERM—*Mineralogy*—Lectures. *Physical Geography*—Guyot. Lectures. *Botany*—Lectures and Excursions and Laboratory Practice. *English*—Chaucer, Shakespeare. *History*—Freeman's Outlines, with Lectures. *Political Economy*—Rogers's Manual. *German, French.*

SENIOR YEAR;

FIRST TERM—*Geology*—Recitations and Excursions. *Zoology*—Lectures and Excursions. *Linguistics*—Whitney's Life and Growth of Language. *English*—Shakespeare. *History*—Constitutional History of the United States. Lectures. *Political Economy*—Lectures, *French*.

SECOND TERM—*Geology and Zoology*—continued. *Meteorology*. Lectures. *Political Economy*—Lectures. *English*—Shakespeare, Milton, Dryden, Pope. *History*—Political History of the United States, History of Europe since 1848. Lectures, *French*.

Exercises in English Composition are required during the entire course from all the students. The preparation of graduating theses is among the duties of the Senior Year.

Lectures on Military Science and Tactics are annually given.

THE TERMS AND VACATIONS correspond with those of the Academical Department. (See Calendar, p. 4.)

EXPENSES—The charge for tuition is \$150 per year, payable \$55 at the beginning of the first and of the second terms, and \$40 at the middle of the second term. The special student of Chemistry has an additional charge of \$70 per annum for chemicals, and use of apparatus. He also supplies himself at his own expense with gas, flasks, crucibles, etc., the cost of which should not exceed \$10 per term. An additional charge of \$5 is annually made to each student for the use of the College Reading Room and Gymnasium.

THE FEES for graduation as BACHELOR OF PHILOSOPHY, are \$10; unless the person taking the degree is also an academical graduate when the fee is but \$5. For CIVIL or DYNAMIC ENGINEER, \$5. For DOCTOR OF PHILOSOPHY, \$10.

DEGREES.

BACHELOR OF PHILOSOPHY—The degree of Bachelor of Philosophy is conferred on those who have completed one of the three-year courses in the SHEFFIELD SCIENTIFIC SCHOOL and have passed the examination at its close.

CIVIL AND DYNAMIC ENGINEER—See page 51.

DOCTOR OF PHILOSOPHY—See page 48.

SCHOOL OF THE FINE ARTS

THE COUNCIL of this Department consists of the following *ex-officio* members:—the President of the College, the President of the National Academy of Design, the President of the New York Museum of Art, and the Director of the School, who is also the Secretary; together with four regularly appointed Councilors, Mr. HENRY FARNAM, Mr. DONALD G. MITCHELL, Mr. EDWARD E. SALISBURY, and Mr. JOHN D. WHEELER.

THE FACULTY, on whom devolves the internal management of the School, consists of the President of the College, and the Professors whose names and departments of instruction are as follows:—JOHN F. WEIR, Professor of Painting, and Director of the School; JOHN H. NIEMEYER, Professor of Drawing. FREDERIC R. HONEY, instructor in Geometry and Perspective; JOHN P. C. FOSTER, M.D., instructor in Anatomy. (The chairs of Sculpture and Architecture are unfilled.)

The School has for its end the cultivation and promotion of the Arts of Design, viz.; PAINTING, SCULPTURE, and ARCHITECTURE, both in their artistic and æsthetic aims, through practice and criticism. The aim is—

1st. To provide thorough technical instruction in the Arts of Painting, Sculpture, and Architecture.

2d. To furnish an acquaintance with all branches of learning relating to the History, Theory, and Practice of Art.

The courses of instruction provided under these heads—of Practice and Criticism—may be regarded as distinct, or correlative, embracing that practical and theoretical knowledge of art which is no less desirable for the critic than for the artist.

The course of technical instruction, covering three years, is arranged as follows:*

* No provision has yet been made for instruction in the departments of Sculpture and Architecture, but it is hoped that before long this will be provided.

First Year.

DRAWING—from the flat: from the antique: from the living model.

PERSPECTIVE—descriptive geometry: shadows and linear perspective: applications and examples.

LECTURES—the elements of form: principles of proportion.

Second Year.

DRAWING—technical discipline: studies from the living model.

ANATOMY—the bones and articulations of the skeleton: the muscles and movements of the body: the anatomy of external forms.

PAINTING—technical discipline: studies from casts and still-life.

Third Year.

PAINTING—technical practice: studies from the living model.

COMPOSITION—studies in color and chiaroscuro: design.

LECTURES—on the history, theory, and practice of art.

In the departments of Drawing and Painting the practice of the studio is based upon the study of the human form.

The course in drawing is supplemented by lectures on Form and Proportion.

The practice in painting is supplemented by lectures on Color, Chiaroscuro, and Composition.

Drawing is continued, without interruption, through the first half of the course, or until the student evinces that proficiency which will warrant advancement. Painting is continued through the remainder of the course. Students will be encouraged to remain in the School and pursue advanced studies after the three years' course is completed.

In PERSPECTIVE, instruction is given in the form of lectures; students will be required to work out the examples, or problems, and submit them for examination at the next meeting of the class. The subject has three divisions: the first is devoted to descriptive geometry and its application to projection drawing; the second to shadows and linear perspective; and the third to applications and problems. At the close of the course an examination is held, and the standing of the student determined.

In ANATOMY, instruction is likewise given in the form of lectures. This subject has also three divisions: the first is devoted to the bones and articulations of the skeleton; the second to the muscles and movements of the body; and the

third to the anatomy of external forms. Students are required to draw, in detail, the parts under discussion by the lecturer, and submit the same for examination, at the next meeting of the class. At the close of the course the relative standing of the pupils is determined by examination.

A COURSE OF PUBLIC EVENING LECTURES will be delivered in the School, during the second term.

PRIZES may be competed for, both in Drawing and Painting, at the close of the course provided in these respective departments: (in drawing, a prize of \$50 for a study from the Antique, and \$100 for an approved study from the life; in painting, corresponding prizes of equal amounts;) but the necessary qualification includes, in drawing, an approved knowledge of perspective; and in painting, a requisite acquaintance with anatomy—as provided for by the instruction given in these branches.

DIPLOMAS are only accorded to those who remain through the full course, or pass the requisite examinations. If qualified, the student may enter advanced classes at once.

The CHARGE FOR TUITION is \$36 for three months, *in advance*; and no student will be admitted for a shorter period. Art-students are admitted *free* to all the lectures delivered in the school, whether public lectures or those in regular course; to the collections at all times; and are entitled to such privileges, under the usual restrictions, as are granted to students in the other departments of the College.

The School is open to both sexes but no student will be admitted under fifteen years of age.

The ART LIBRARY will be opened at specified hours for the use of students.

The COLLECTIONS embrace the "Jarves Gallery of Italian Art," numbering one hundred and twenty paintings, dating from the 11th to the 17th centuries; the "Trumbull Gallery" of original portraits and other works, by John Trumbull, numbering fifty-four pictures; a collection of portraits and works of contemporaneous art, numbering about seventy-five pictures; together with about one hundred and fifty casts and marbles, the former from many of the best productions of ancient art. The Collections are open daily for the use of students, and to the public, during the winter, from 1 to 4 P. M.; and during the summer, when a special loan exhibition is

organized, from 9 A. M. to 6 P. M. The proceeds of the exhibitions are applied to the purchase of material adapted to instruction, and to the incidental expenses of the School.

"Students' Season Tickets," at one dollar each, admitting the holders to the Exhibitions throughout the year, are furnished to students of all other departments of the College.

The Art School occupies a large and beautiful building, erected for this object by the late Augustus Russell Street, of New Haven, containing commodious galleries well adapted to the purpose of an Art Museum, and for lectures; drawing, painting, and modeling rooms, designed for the instruction of classes; also library rooms and studios.

This department of the College is open to all who desire to avail themselves of its instructions, without restrictions, save as to age and general good character. Its aim is to embrace a wide field of usefulness in connection with the knowledge and promotion of art, and to offer every facility to the student both in the way of criticism and technical discipline.

The course of study, as at present constituted, embraces only that instruction which the school is now prepared to furnish practically and efficiently; this is subject to expansion with the growth of the means at the disposal of the Faculty.

All applications for admission to the school should be made through the Director. It is particularly desirable that these applications be made before October 1st.

DEPARTMENT OF THEOLOGY

THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Lecturer on Church Polity and American Church History, a Professor of Hebrew Literature and Biblical Theology, a Professor of Systematic Theology, a Professor of Homiletics and the Pastoral Charge, a Professor of Ecclesiastical History, and a Professor of Sacred Literature.

THE CONDITIONS OF ADMISSION are membership in some evangelical church, or other satisfactory evidence of Christian character, and a liberal education at some College, or such other literary acquisitions as may be considered an equivalent preparation for theological studies. Students of every Christian denomination, in case they are possessed of these qualifications, are admitted.

It is expected that every student will be promptly on the ground at the beginning of the session. Rooms are assigned in the order of application, but no room will be reserved for any applicant who neglects to appear, beyond one week after the opening of the term.

COURSE OF INSTRUCTION—The regular course occupies three years, and is arranged in the following order:—

JUNIOR YEAR:

Professor DAY will lecture on the Encyclopedia and Literature of Theology, and give instruction in Hebrew Grammar and Philology. Portions of the historical books of the Old Testament in the original will be carefully read and analyzed, and critical and exegetical dissertations presented by the class on points of special difficulty or importance.

Professor DWIGHT will give instruction in the exegetical study of the Greek New Testament. The course includes, in addition to the regular exegetical exercises, the critical investigation of the Greek text and the study of the subjects connected with the Introduction to the New Testament. Dissertations of a critical and exegetical character will, also, be prepared by the students and discussed in the presence of the class.

Professor HARRIS will lecture on Mental Philosophy with special reference to the study of Theology; also on Natural Theology, the Evidences of Christianity, and the Inspiration of the Scriptures; also, as incidental to these topics, on the various forms of Skepticism.

MIDDLE YEAR :

Professor HARRIS will lecture on Systematic Theology. This course will include a full and systematic investigation of the doctrines of Christianity, and of existing questions and controversies in respect to them. The lectures are accompanied by examinations and free discussions.

Professor FISHER will lecture on General Church History, including the following topics : an historical survey of the Old or Preparatory dispensation in its relation to Christianity ; the establishment and spread of Christianity (including Missions and persecutions); Ecclesiastical Polity (including the rise and rule of the Papacy, and the Reformation); and the History of Christian Life and Worship.

Professor DAY will give instruction in Biblical Theology, with special reference to the progressive stages of Divine revelation, and the doctrinal results of the modern critical study of the Bible. He will also lecture on portions of the Hebrew Scriptures, especially the poetical and prophetical books.

Professor DWIGHT will continue to give instruction by lectures and recitations, in the exegetical study of the New Testament, especially the Pauline Epistles.

Dr. BACON will lecture on American Church History.

SENIOR YEAR :

Professor HOPPIN will lecture on Sacred Rhetoric and Homiletics, and also on Pastoral Theology, including the office, qualifications, pastoral duties, and special work of the ministry ; he will also take charge of the practical exercises in Preaching, and in the criticism of the style and delivery of Sermons.

Professor FISHER will lecture upon the history of Christian Doctrine and on Symbolical Theology, and students will be aided in pursuing historical investigations for themselves.

Dr. BACON will give a series of lectures on Church polity, with special reference to the polity and discipline of the Congregational Churches.

Professor DWIGHT will lecture on some topics of special interest connected with the different books of the New Testament.

Professor DAY will read, with those who wish to prosecute the study of Syriac, the Peshito version of the New Testament.

Optional Studies in either Year :

Professor DAY will read, free of charge, with those students who desire to become familiar with the theological literature of Germany and have made some progress in the language, some standard work in German on Christian doctrine, with critical remarks, and references to the ablest works on special topics. The grammatical study of the language may be pursued with the classes in the Sheffield Scientific School.

Professor WHITNEY will give instruction to those who desire it in Sanskrit.

Instruction in vocal music is given gratuitously to students who desire it. (See p. 57.)

The following courses of lectures in the Academical Department may be attended, free of charge, provided that they do not interfere with the regular studies of the Seminary: on *Intellectual and Moral Philosophy*, by President PORTER; on *Natural Philosophy*, by Professor LOOMIS; on *Evolution and Cosmogony*, by Professor DANA; on *History*, by Professor WHEELER; on *Political and Social Science*, by Professor SUMNER. Students may also be admitted to the various courses of lectures in the Sheffield Scientific School. Those who intend to become Foreign Missionaries have the privilege of attending gratuitously the lectures in the Medical Department.

EXERCISES IN PUBLIC SPEAKING—There will be an exercise for all the classes, in the presence of the Faculty, once in two weeks, in the reading of the Scriptures and hymns, and in the delivery of sermons, or parts of sermons, or addresses. Every alternate week there will be a conference, designed to cultivate the power of *extemporaneous speaking*, in which the students will be called on to present their views on some subject selected by the Faculty. Weekly debates are also held by the students, in societies of their own.

Instruction in Elocution will be given by Mr. BAILEY, the Instructor in the Academical Department.

LICENSE TO PREACH—The regular time for applying for a license is at the close of the second year's study, before which time members of the Department are not allowed to preach.

PUBLIC WORSHIP—Prayers are attended every morning in the MARQUAND Chapel, with reading of the Scriptures and singing. It is optional with the student whether to connect himself with the College Church, or with one of the City Churches; but whatever may be his decision it is hoped that he will actively engage, so far as may not be inconsistent with the prosecution of his studies, in some form of City Mission, Sabbath School, or other benevolent labor, for which constant opportunities are offered.

LIBRARIES—The Reference Library of the School, containing nearly two thousand volumes in various languages, and established through the liberality of Mr. Henry Trowbridge, of New Haven, is placed in the East Divinity Hall. It is designed to furnish the students with the standard and most recent books in every branch of theological literature and those most frequently called for in the pursuit of their studies. It is open daily for consultation, and thus takes the place, for each student, of a well selected and extensive private library.

The valuable Library of Church Music, belonging to the late Dr. Lowell Mason, has been recently given to the Department by his family. This Library, which is placed in the West Divinity Hall, and is one of the largest of the kind in the country, will be open for the use of students.

The College Library, to which the students have access without charge, contains over 80,000 volumes, and is open five hours on every secular day for consultation and for the drawing of books.

The library of the College literary societies, containing over 20,000 volumes in general literature, is accessible to theological students.

PHYSICAL EXERCISE—The College Gymnasium is open to the students of this department at a small charge. The harbor of New Haven affords excellent facilities for boating, to those inclined to this mode of exercise.

THE ROOMS in the two **DIVINITY HALLS** are provided with carpets, beds, and every necessary article of furniture (except bedding). They are assigned to new students in the order of application. A few rooms have two bedrooms attached to them, but, in general, provision is made for each student to room alone. The buildings are warmed throughout by steam, and lighted by gas. Bath-rooms are placed on every floor. The buildings are thoroughly ventilated on an approved system.

EXPENSES AND PECUNIARY AID—Students have only to make pecuniary provision for about eight months of study annually. In the remaining four months of vacation, from May to September, they have the opportunity of engaging in Home Missionary or other labor, with remuneration for their services.

The expenses for the annual session are \$3.25 to \$4 a week for board; \$25 to \$35 for fuel and lights; and \$10 a year for care of room and other incidental expenses. There is no charge for instruction, room rent, or use of Libraries.

Students whose circumstances require it, will receive \$100 a year from the income of Scholarships and other funds belonging to the Department. Additional aid, generally to the amount of \$100 annually, but sometimes less, is afforded by the American Education Society to its beneficiaries. In special cases additional aid toward the expenses of board will be given. These means of assistance fully cover all the expenses mentioned above.

The Scholarships belonging to the Department bear respectively the names of James Hillhouse, William Leffingwell, George E. Dunham, Normand Smith, E. E. Salisbury, Thomas R. Trowbridge, Charles Atwater, Richard Borden, Samuel Holmes, Charles Nichols, Roland Mather, Noah Porter, John

DeForest, J. R. Beadle, David Root, Mary Goodman, Orin Fowler, and Edward Bull.

A Graduate Scholarship has been established in this Department, as a memorial of the late Mrs. Aurelia D. Hooker, of New Haven. It was offered for the first time to the class which entered in September, 1876, and will be assigned at graduation to that member of the class who shall be judged by the Faculty of the Department to be most worthy of it. It will be offered the second time to the class entering in 1878. The person to whom the scholarship shall be given will receive the annual income (\$700) for two years after graduation, and will be expected to pursue a course of theological study, either as a resident at the Seminary, or, in case he may prefer to do so, in Europe and Palestine.

After the close of the second year in May, students have frequent opportunities to receive remuneration for preaching in the neighboring churches.

In general it may be said, that sufficient aid will be provided for every young man who gives promise of usefulness in the ministry, to enable him, in connection with his own efforts, to complete a course of theological study.

COMMENCEMENT OF THE TERM, VACATION, ETC.—The session for 1877-78 began on Thursday, Sept. 13, and will continue till the third Thursday in May, when the public Anniversary is held. The annual examination of the classes, and the meeting of the Alumni, are held in the same week. The next annual term will begin on Thursday, September 12, 1878.

By thus throwing all the vacations into one, the most favorable season of the year is secured for study, while the opportunity is given, in the four months' vacation, to engage in some form of benevolent labor, in connection with the mission efforts of the churches, or in the service of one of the benevolent societies, by which the practical experience required of the pastor, as well as pecuniary compensation, may be obtained. Should any students prefer to spend the vacation in theological reading, the Professors will counsel them in the choice of books.

THE DEGREE of Bachelor of Divinity is conferred on all members of the Department who at the end of the Senior year pass the prescribed examination, and present an approved thesis on some topic in theology.

DEPARTMENT OF MEDICINE

THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Professor of Chemistry and Toxicology, a Professor of Obstetrics and the Diseases of Women and Children, a Professor of Materia Medica and Therapeutics, a Professor of Histology and Pathology, a Professor of the Theory and Practice of Medicine, a Professor of Surgery, a Professor of General and Special Anatomy, a Lecturer on Physiology, a Lecturer on Ophthalmology and Otology, a Lecturer on Insanity, and a Demonstrator of Anatomy.

The course of study is divided into two terms in each year, a Spring Term and a Winter Term.

In the Spring Term, instruction is given by recitations and lectures. In this Term the students are classified, so that those who are just entering on the study are taught during their *first* year only the more elementary branches; while the studies of the *second* year include the more practical branches. Provision is made for students attending a *third* year, to review the studies of the entire course, with the addition of such collateral branches and advanced courses of reading as the necessities or attainments of individual pupils may require. Two or more recitations are held daily.

The instruction in the Winter Term is conducted by means of Public Lectures, with daily examinations, illustrated by Hospital Instruction and Medical and Surgical Clinics, with abundant facilities for Anatomical Dissections.

While the studies of each of these terms are independent and so far complete in their parts that they may be pursued separately with profit, yet they are designed to be so related to each other, that together they make a full and rounded curriculum of proportional study. In no way can the student more easily and naturally acquire a clear and comprehensive knowledge of the medical sciences in their present advanced position, than by taking these courses in connection, and pursuing his studies at the College for the entire period of three years.

The Spring Term will begin February 14, 1878, and continue till the Annual Commencement, June 27. The Winter Term for 1878-79, being *the Sixty-sixth Annual Course of Lectures*, will begin October 3, and close January 30, 1879.

CHEMISTRY—The chemical instruction in each term is intended to supplement that given in the other. In the Winter Term, lectures, fully illustrated by experiments, are given upon General Chemistry during the first half of the term; and upon Organic and Physiological Chemistry (including the Chemistry of the urine) and Toxicology during the second half. In the Spring Term, Theoretical Chemistry is taught by recitations, and Practical Chemistry by Laboratory work. The Junior Class work in Elementary Qualitative Analysis; the Middle Class in advanced Analysis, including the examination of drugs, the urine, calculi, etc. These exercises consist of three hours' daily work. The Senior Class are taught to make original researches in Physiological Chemistry.

NORMAL AND PATHOLOGICAL HISTOLOGY is illustrated by a sufficient number of compound microscopes and a large collection of the best preparations.

CLINICS—The lectures on "Surgery" and on the "Theory and Practice of Medicine" are amply illustrated at the Clinics which are held almost daily. The Surgical and Medical Clinics and the Clinics for Eye Diseases, which are held on their respective days at the College, are still further supplemented by the facilities afforded by the New Haven Dispensary and the Clinics which are held once or twice every week at the State Hospital. In connection with the Clinics, students are made thoroughly conversant with the special methods of the expert practitioner, by having exhibited to them from day to day all the recent advances attained in special manipulations, physical explorations, and the enlightened employment of remedies. All Surgical operations are performed in the presence of the students, and every endeavor is made to familiarize them with the use of all instruments and surgical appliances.

OPHTHALMOLOGY AND OTOTOLOGY are taught by a course of practical Lectures, with Clinical Illustrations.

DISSECTING ROOMS—The spacious and well-appointed Dissecting Rooms are amply supplied with anatomical material at a reasonable charge, under the personal direction of the Demonstrator.

THE MUSEUM contains a large collection of natural and morbid specimens, numerous casts, plates, and models, of elegant execution, and an extensive Cabinet of *Materia Medica*, all of which are made practically useful in illustrating the subjects taught. The University Libraries and Collections in Natural History are also open for the use of students.

COMPARATIVE ANATOMY, ZOOLOGY, AND OTHER DEPARTMENTS COLLATERAL TO MEDICAL STUDIES—Special advantages are offered to Medical Students for the pursuit of Zoology, Comparative Anatomy, Botany, and other cognate studies, in connection with the Sheffield Scientific School.

REQUIREMENTS FOR GRADUATION—Every candidate for a degree is required to possess, in addition to a good English education, a competent knowledge of the Latin language and of the principles of Natural Philosophy; to present to the Dean, two weeks before examination, a *Thesis*, written by himself, upon some medical subject; to present a satisfactory certificate that he is twenty-one years of age, and possesses a good moral character. He must have attended two full courses of public lectures, one at least of which must have been in this Institution. He must present a satisfactory certificate from a respectable and regular practitioner of medicine that he has attended to the study of physic and surgery for three years, including the time spent in attendance upon medical lectures.* In case he is a graduate of college his diploma is received as equivalent to a certificate of medical study for one year.

The Board of Examiners consists of the Faculty and an equal number of the Members of the Connecticut Medical Society, appointed by the President and Fellows of the same; and the President of the Society is *ex-officio* President of the Board.

Separate written examinations are required in each of the following branches:—

- | | |
|-----------------------------|---------------------------|
| 1. Chemistry. | 6. Therapeutics. |
| 2. Anatomy. | 7. Theory and Practice of |
| 3. Physiology. | Medicine. |
| 4. <i>Materia Medica</i> . | 8. Obstetrics. |
| 5. Histology and Pathology. | 9. Surgery. |

* The Spring Term is counted as part of the time required for Medical Study, but *does not count* as one of the courses of Public Lectures required for Graduation.

Students who have attended two full courses of lectures on Chemistry, Anatomy, Physiology, and Materia Medica, may be examined on those subjects, at the close of any regular term; and if giving satisfactory evidence of proficiency in them, their examination shall be considered as final on those subjects, and at the end of their course they will be examined only on the other branches.

Two examinations for degrees are held annually, one at the close of the Winter Term, and the other at the close of the Spring Term, ending on the Tuesday before Commencement.

TUITION FEES, ALWAYS REQUIRED IN ADVANCE.

Matriculation Fee, paid annually,	-	-	-	-	\$	5.00
Course of Lectures in Winter Term,	-	-	-	-		105.00
For the Spring Term,	-	-	-	-	-	60.00
Contingent Expenses of Laboratory, Spring Term,						10.00
Demonstrator's Ticket,	-	-	-	-	-	5.00
Graduation Fee,	-	-	-	-	-	25.00

In the Winter Term students may take the whole or part of the lectures, at their option; fee for each Professor's ticket, \$15.

Those who have attended two full courses of lectures in this Institution, and those who have attended one full course of Lectures in this Institution and a full course in a similar Medical College, are entitled to admission to the Lectures of any future Winter Term on the payment of Five Dollars for incidental expenses. Those who have attended two full courses in any other accredited Medical College, may receive all the tickets for the Winter Term, including Matriculation, for \$50.

DEPARTMENT OF LAW

THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Professor of Mercantile Law and Evidence, a Professor of Elementary and Criminal Law and the Law of Real Property, a Professor of Constitutional Law, Contracts, and Wills, a Professor of Pleading and Equity Jurisprudence, and an Instructor in Public Law. Lectures are also delivered by Rev. LEONARD BACON, D.D., LL.D., on Ecclesiastical Law, Hon. ORIGEN S. SEYMOUR, LL.D., on Judicial Procedure and Practice, Hon. LAFAYETTE S. FOSTER, LL.D., on Parliamentary Law, and Methods of Legislation, Professor WAYLAND on English Constitutional Law and History, Professor ROBINSON on Medical Jurisprudence, MARK BAILEY, M.A., on Forensic Elocution, Professor BALDWIN on Roman Law and Comparative Jurisprudence, Professor PLATT on General Jurisprudence, and FREDERICK H. BETTS, M.A., on Patent Law.

TERMS AND VACATIONS—There are three terms in each year: the Fall Term, beginning on the last Thursday of September and continuing to the Thursday before Christmas; the Winter Term, beginning in January, after a vacation of three weeks, and closing the last Thursday of March; and the Spring Term, beginning on the second Thursday of April and continuing until Commencement. (See Calendar, p. 4.)

COURSE OF INSTRUCTION

UNDERGRADUATE COURSE

The Undergraduate Course occupies two years, the students being divided into two classes, for each of which a special course of study is provided. The daily exercises consist of lectures and recitations from standard text-books, the latter being accompanied by oral explanations. The students are frequently referred to the leading cases on the subject under consideration, and are required to be prepared for questions upon them at the next exercise: they are also encouraged to put questions freely to the instructor at all recitations. Moot Courts are held weekly, at which one of the professors acts as judge. The students acting as counsel, in the argument of cases, are required to draw the necessary pleadings in the common law form.

Members of either Class can attend the lectures of Professors to undergraduates in other Departments of the College, whenever it is compatible with their other engagements; and, with a few exceptions only, without charge. They can also attend one or more of the special courses of graduate instruction in the Department of Philosophy and the Arts, on payment of a moderate fee. (See page 49.)

The regular curriculum of study is as follows:

JUNIOR YEAR.

FALL TERM—Recitations: Elementary Law, Prof. Robinson; Torts, Prof. Platt; International Law, Mr. Woolsey. Lectures: Nature and History of American Law, and Wills, Prof. Baldwin; Origin of Law, and Nature of Legal Authority, Prof. Robinson.

WINTER AND SPRING TERM—Recitations: Contracts, Prof. Baldwin; Mercantile Law, and Evidence, Prof. Wayland; Pleading, Prof. Platt; International Law, Mr. Woolsey. Lectures: English Constitutional Law, Prof. Wayland; General Jurisprudence, Prof. Platt; Forensic Elocution, Mr. Bailey; Oratory and Rhetoric, Prof. Robinson.

SENIOR YEAR.

FALL TERM—Recitations: Equity, Prof. Platt; Contracts, Prof. Robinson; Mercantile Law, Prof. Wayland. Lectures: International Law, Mr. Woolsey; Parliamentary Law and the Methods of Legislation, Judge Foster; Comparative Jurisprudence, and Roman Law, Prof. Baldwin.

WINTER AND SPRING TERM—Recitations: Contracts, Prof. Baldwin; Mercantile Law, Prof. Wayland; Real Property, Prof. Robinson. Lectures: Judicial Procedure and Practice, Judge Seymour; American Constitutional Law, Prof. Baldwin; Ecclesiastical Law, Dr. Bacon; Patent Law, Mr. Betts; Criminal Law, and Medical Jurisprudence, Prof. Robinson.

A course of study is also provided for those who do not intend to engage in the practice of the Law, but wish to obtain a knowledge of its principles to complete their education, or with reference to mercantile pursuits.

The principal text-books used are, in Junior year, Robinson's Notes on Elementary Law, Addison on Torts (abridged), Parsons on Contracts, Stephen on Pleading, Woolsey's Introduction to the Study of International Law, and Greenleaf on Evidence, vol. I.; in Senior year, Parsons on Contracts, Story on Equity Jurisprudence, and Washburn on Real Property.

Students are also recommended to read during their course the following works, in connection with their regular exercises: Blackstone's Commentaries, Kent's Commentaries, Smith's Leading Cases, Maine's Ancient Law, Hadley's Roman Law, and Cooley on Constitutional Limitations.

At the close of the Spring Term, each Class is subjected to a written examination on the studies of the preceding year.

GRADUATE COURSE

The Graduate Course occupies two years, and is open to graduates from any Law School, having the degree of LL.B.; under the conditions specified on pp. 90, 91. The terms and vacations are the same as those in the undergraduate course in this department. The degree of Master of Law (M.L.) will be conferred upon examination at the close of the first year, and that of Doctor of Civil Law (D.C.L.) at the end of the second year. The curriculum for the first year is particularly designed to supplement that of the undergraduate course by affording further instruction in the branches there pursued; that of the second year is designed to meet the wants of those who aim at acquiring a thorough acquaintance with jurisprudence and its affiliated studies, as a means of completing their education, without confining themselves to such topics as are of the first necessity to the practicing lawyer.

The arrangement of the curriculum is as follows :

FOR CANDIDATES FOR THE DEGREE OF M.L.—Administration of Estates, Prof. Wayland; English Constitutional History, Prof. Wayland and Prof. Wheeler; Maritime and Admiralty Law, and Patents, Prof. Robinson; Practice in the U. S. Courts, Railroad Law, and American Constitutional History, Prof. Baldwin; General Jurisprudence, Corporations, and Procedure in States having a Civil Code, Prof. Platt; Roman Law, Mr. A. S. Wheeler; International Law, Prof. Sumner.

FOR CANDIDATES FOR THE DEGREE OF D.C.L.—Ethics, President Porter; Parliamentary Law, and Hermeneutics, Prof. Wayland; Early History of Real Property, Patent Cases, and Canon Law, Prof. Robinson; Conflict of Laws, Comparative Jurisprudence, Political History, and Roman Law, Prof. Baldwin; General Jurisprudence, and Principles of Legislation, Prof. Platt; Roman Law, Mr. A. S. Wheeler; Relations of Physical Geography to Political History, Prof. Brewer; Political Economy, Prof. Walker; Sociology, Prof. Sumner.

Among the principal text-books used, are Parsons on Maritime Law, Curtis on Patents, Desty's Federal Procedure, Pierce on American Railroad Law, Austin on Jurisprudence, Angell and Ames on Private Corporations, Dillon on Municipal Corporations, Pomeroy's Remedies and Remedial Rights, the Commentaries of Gaius, and Institutes of Justinian, and selected titles of the Pandects, Story on the Conflict of Laws, Lieber's Principles of Legal and Political Interpretation, Digby on the Early History of Landé Rights, and Wharton on Private International Law.

There is one exercise daily for those pursuing each year of the graduate course, and the preparation for it, with the collateral course of reading which will be prescribed for each, the preparation of the graduating thesis, etc., will be such as to occupy the working time of the student through the year.

A knowledge of Latin will be necessary for those pursuing the studies of the last year of the course, but will not be indispensable for candidates for the degree of M.L. Students desiring to spend their whole time upon certain of the branches indicated, to the exclusion of others, will be allowed to do so, and for such, a special course of reading and examination will be marked out, in each case.

TERMS OF ADMISSION TO UNDERGRADUATE COURSE—Applicants for admission to the Junior Class must be at least eighteen years of age, and must produce certificates of good moral character. No student who has not taken a degree from some collegiate institution, will be admitted as a candidate for a degree, until he has passed a satisfactory examination on the outlines of the History of England, and of the United States, and the text of the Constitution of the United States. This will be conducted in writing, and the style of composition and orthography in the answers, as written, must be such as to evince a competent knowledge of English Grammar.

To entitle a person to admission to advanced standing as a member of the Senior Class, he must be at least nineteen years of age; must, if a college graduate, have studied law under a competent instructor for at least one year, or, at the law school of some college or university, for at least six months; must, if not a college graduate, have studied law under a competent instructor for at least two years, or at a law school for at least one year; and, if not an attorney at law, must pass such an examination as is required for those entering the Senior Class in the regular course, and also (unless a college graduate) such an examination as is required of applicants for admission to the Junior Class.

Applicants for admission to advanced standing who have received a collegiate degree, or have passed the preliminary examination in English studies specified above, may either attend the regular annual Junior examination, which commences the second week before Commencement, or pass a special examination, beginning on the first Saturday of the Fall Term, or on the last Thursday of February, at which it will be sufficient if they are prepared to be questioned on Kent's Commentaries, lectures first to nine inclusive, fourteen to eighteen inclusive, and twenty, twenty-one, sixty, sixty-two, and sixty-eight: Parsons on Contracts, subjects of bailments, partnerships, notes and bills, agents, executors and guardians,

corporations and artificial persons, gifts, capacity to contract, consideration and assent, sales, warranty, hiring, suretyship, telegraphs, infancy, married women, interest, marriage, construction, defences, estoppels, statute of limitation, damages and liens; Blackstone's Commentaries, Robinson's Notes on Elementary Law, Stephen on Pleading, Greenleaf on Evidence, vol. I, Woolsey's Introduction to the Study of International Law, and Addison on Torts (abridged edition).

Special students, not candidates for a degree, will be admitted to any of the exercises of the School, as heretofore, without examination.

EXAMINATIONS—There will be preliminary examinations of candidates for admission to the Junior Class at the opening of the Fall Term, and at no other time.

Candidates for admission to the Senior Class will be examined, as above, at the end of the Spring Term, or beginning of the Fall Term; or on the last Thursday of February.

Seniors will be examined for a degree only at the close of the Spring Term; or on the last Thursday of February, when their prescribed period of study shall mature at that time.

Examinations for degrees in the graduate course will be held only at the close of the Spring Term.

Every candidate for each degree, both in the undergraduate and graduate courses, must also submit a thesis on a given legal topic, which must be approved by the Faculty.

LIBRARY—The special Library of the Department, which has a permanent endowment for its support (the English Fund),* contains over eight thousand volumes, comprising a complete collection of the English, American, and Irish Reports of judicial decisions, and an extensive collection of text-books, and works on jurisprudence and political history and philosophy. The consulting room is also supplied with the leading legal periodicals. The Library is open daily, during term time, from 8 A. M. to 12:45 P. M., and from 2 to 5:45 P. M. (with the exception of Saturday afternoon); during vacations it is not opened until 9 A. M.

The students can also draw books without charge from the general University libraries, now containing over 100,000 volumes.

* Established by Hon. James E. English, M.A., in 1873.

PRIZES—The TOWNSEND Prize,* of one hundred dollars, is annually awarded to that member of the Senior Class who shall write and pronounce the best oration or thesis at his graduation, at the public anniversary exercises of the Department, on the day before Commencement.

The JEWELL Prizes,† are annually awarded as follows: a prize of one hundred dollars to that member of the Senior class who receives the highest marks at the final examination of his class at their graduation; and a prize of fifty dollars to that member of the Junior class who shall write the best dissertation on a given legal topic.

The BETTS Prize,‡ of fifty dollars, is awarded to that member of the Junior class who receives the highest marks at his annual examination.

The CIVIL LAW Prize, of thirty dollars, is awarded for the best dissertation by a member of the Senior Class on a given topic connected with the Roman Law.

BUILDINGS, AND FACILITIES FOR OBSERVING PRACTICE—The School occupies an entire story of the Court House of New Haven County, having upon the same floor a lecture room accommodating two hundred students, a large library hall, a Moot Court room, an instructors' room, and other apartments furnishing every needed convenience for Law clubs and debating societies.

Two terms of the Supreme Court of Errors of Connecticut, one term of the United States Circuit Court, and two terms of the United States District Court, are held annually in New Haven; and the Superior Court and Court of Common Pleas, the principal *nisi prius* Courts of the State, are also in session almost daily, during each of the Law School terms.

DEGREES—In the Undergraduate course the degree of Bachelor of Laws will be conferred by the Corporation, upon the recommendation of the Faculty of the Department, based on a satisfactory examination and the submission of a satisfactory thesis, on the following persons:

1st. Attorneys at Law, who have been members of the Department for one year after their admission to the Bar.

* Established by Hon. James M. Townsend in 1874.

† Established by Hon. Marshall Jewell, M.A., in 1871.

‡ Established by Frederic H. Betts, M.A., in 1875.

2d. Any students who have been members of the Department for not less than two years, and who passed satisfactorily the Junior Examination at the end of their first year.

3d. Students who have received the degree of Bachelor or Doctor in any of the Arts or Sciences from any incorporated College or University, and have subsequently been members of this Department for not less than eighteen months, and who passed satisfactorily an examination at the end of their first six or twelve months, on all the studies of the Junior year.

4th. Upon students who have been admitted to advanced standing as members of the Senior Class, and have remained in that Class for not less than one year.

Graduates of the Department receiving this degree are admitted to the Connecticut Bar without further examination.

In the Graduate Course the degree of Master of Law (M.L.) will be conferred by the Corporation on the recommendation of the Faculty of the Department, on persons, who, after having taken the degree of Bachelor of Laws, pursue, during at least one year, such a course of advanced studies as the Faculty may direct.

Bachelors of Laws, who also have the degree of Bachelor of Arts or of Philosophy, or who, having the degree of LL.B. from this college, ranked among the first quarter of their class in scholarship, according to their average marks at their final examination for that degree, may, after having taken the degree of M.L., apply for that of Doctor of Civil Law (D.C.L.). All applicants for the latter degree must have a good knowledge of Latin, and also of either the French or German language. The course of instruction will extend over one year after taking the master's degree, and the Faculty will recommend no one for the degree of D.C.L., who has not attained a high standard of proficiency in the studies pursued.

Neither degree will be conferred, except upon candidates who pursue their studies at New Haven, under the direction of the Faculty, pass with credit a strict final examination, and present a satisfactory thesis.

EXPENSES—The fees are the same, for tuition and use of library, in the Undergraduate and in the Graduate courses, viz.: \$40 for the Fall Term, \$30 for the Winter Term, and \$30 for the Spring Term, or \$90 for the entire annual session, to

be paid to the Treasurer of the College in advance, or secured by bond satisfactory to him : where payment is not made in advance, interest will be added. Candidates for a degree who pursue their studies beyond the minimum period of attendance required before applying for examination, will be charged only half these rates for their subsequent tuition. The diploma fee is \$5, and the Court fees for admission to the Bar are \$8. A further fee of \$5 is chargeable for admission to practice in the U. S. Courts for the District of Connecticut, if this is also desired. The tuition charges for special students, not candidates for a degree, vary in proportion to the amount of instruction and supervision required, but will never exceed those made in the regular course.

Board and lodging can be obtained at prices ranging from \$5 a week upwards.

For further particulars, inquiries may be addressed to Professor Francis Wayland, Dean of the Faculty, at New Haven, Conn.

PEABODY MUSEUM OF NATURAL HISTORY

TRUSTEES.

PROFESSOR JAMES D. DANA, PH.D., LL.D., *Chairman.*
HIS EXCELLENCY RICHARD D. HUBBARD, LL.D., *ex-officio.*
THE HONORABLE ROBERT C. WINTHROP, LL.D.
PROFESSOR BENJAMIN SILLIMAN, M.D.
PROFESSOR GEORGE J. BRUSH, M.A., *Treasurer.*
PROFESSOR OTHNIEL C. MARSH, M.A.
GEORGE PEABODY WETMORE, M.A.

CURATORS.

OTHNIEL C. MARSH, M.A., *Curator of the Geological Collection.*
ADDISON E. VERRILL, M.A., *Curator of the Zoological Collection.*
EDWARD S. DANA, PH.D., *Curator of the Mineralogical Collection.*

The gift of the Founder, GEORGE PEABODY, of London, was committed to the Board of Trustees, in October, 1866, "to found and maintain a Museum of Natural History, especially in the departments of Zoology, Geology, and Mineralogy, in connection with Yale College." Of the entire gift (\$150,000), \$100,000 was devoted by the donor to the erection, on land given for the purpose by the President and Fellows of the College, of a fire-proof building, planned with special reference to subsequent enlargement. Of the remainder of the gift, the sum of \$20,000 is set apart as a reserve fund for the completion of the building, and the income of \$30,000 is available for the care of the Museum and the increase of its collections.

By the accumulations from investment of the original building-fund, the first wing of the Museum is now completed, at a cost of about \$140,000, or, with the cases, \$175,000.

The basement will be used for exhibiting the collection of fossil footprints from the Connecticut valley, and for work and storerooms. The first story contains the Mineral Collection, and rooms for instruction in Mineralogy, as well as the general lecture room. The second story is entirely devoted to Geology, and the third to Zoology. In the fourth story the large south room is used for the collection in Archæology and Ethnology, and the remainder for storerooms.

So far as the collections are arranged, the Museum is open to students and the public every day in term-time.

LIBRARIES

THE COLLEGE LIBRARY numbers about 83,000 volumes, besides many thousand unbound pamphlets. It is designed for the use of the College officers, resident graduates, and the students of the various departments. Other persons may have the privilege of consulting the Library and drawing books, by permission of the Library Committee. The Library is open daily in term-time from 9½ A. M. to 1 P. M., and from 2½ to 5 P. M. (or, during the winter months, to 4½ P. M.)

In the same building is the LINONIAN AND BROTHERS LIBRARY, designed primarily for the use of the undergraduate students, and containing about 20,000 volumes. This library is open daily, from 1½ to 2½ P. M.; on Wednesdays and Saturdays from 10 A. M. to 12 M., and from 1½ to 4 P. M.

The Theological, Law, Medical and Scientific Schools have each a special Library, accessible to the students of those schools.

The Library of the AMERICAN ORIENTAL SOCIETY, numbering about 3,500 printed books and manuscripts, is kept in the College Library building.

SUMMARY

College Library (exclusive of pamphlets) about	-	83,000 vols.
Linonian and Brothers Library, about	- - -	20,000 "
Libraries of the Professional Schools, about	- -	18,000 "
		<hr/>
		121,000

APPENDIX

APPOINTMENTS FOR COMMENCEMENT,

IN THE UNDERGRADUATE ACADEMICAL DEPARTMENT, JUNE 28, 1877

ORATIONS

CHARLES C. CAMP, Valedictory Oration, *West Meriden*

{ JOHN B. ATWATER, Philosophical Oration, *Minneapolis, Minn.*

{ JOHN S. THACHER, Salutatory Oration, *New Haven*

J. GILPIN PYLE, Philosophical Oration, *Brick Meeting House, Md.*

Thomas D. Goodell, *New Haven*

{ Orray T. Sherman, *Newburgh, N. Y.*

{ Alexander M. Wilcox, *Baltimore, Md.*

Cleaveland Forbes, *San Francisco, Cal.*

{ Webster Merrifield, *Williamsville, Vt.*

{ Frederick B. Percy, *Bath, Me.*

{ Morris S. Shipley, *Cincinnati, O.*

George M. Tuttle, *Minneapolis, Minn.*

Arthur R. Kimball, *West Haven*

Charles F. Chapin, *South Hadley Falls, Mass.*

Edwin B. Goodell, *Ellington*

George H. Thomas, *Norwich*

Clarence L. Reid, *Chicago, Ill.*

DISSERTATIONS

{ William H. Kelsey, *Bridgeport*

{ Gerrit Smith, *Madison*

{ Philip J. Wilson, *Millerton, N. Y.*

{ Frank E. Clark, *Northampton, Mass.*

{ William J. Forbes, *Brooklyn, N. Y.*

{ Frank H. Platt, *Owego, N. Y.*

Charles C. Tyler, *Rome, N. Y.*

DISPUTES

James B. Neal, *Bloomsburg, Pa.*

Samuel Lewis Eaton, *Lancaster, Wisc.*

Arthur H. Gulliver, *Norwich*

Samuel A. Fisk, *Northampton, Mass.*

{ John Kimberly Beach, *New Haven*

{ Ardon Legrand Judd, *Stratford*

Timothy D. Merwin, *New Milford*

{ Gustavus Eliot, *North Haven*

{ Daniel D. Sherman, *Newburgh, N. Y.*

{ John W. Bristol, *New Haven*

{ William P. Williams, *New London*

Henry M. Rood, *Natal, South Africa*

Joseph H. Chandler, *Glencoe, Minn.*

Charles W. Barnes, *New York City*

Elbridge C. Cooke, *Worcester, Mass.*

{ Arthur U. Bannard, *Salem, N. J.*

{ Andrew B. Van Horne, *Jersey City,*

N. J.

COLLOQUIES

John E. Keeler, *Stamford*

{ George F. Shelton, *Southbury*

{ John M. Whitehead, *Hillsboro, Ill.*

George E. Matthews, *Buffalo, N. Y.*

Kennedy T. Friend, *Pittsburgh, Pa.*

Russell Frost, *Delhi, N. Y.*

James P. Davenport, *Brooklyn, N. Y.*

{ Jesse L. Case, *Peconic, N. Y.*

{ William H. Upton, *Portland, Oregon*

Lewis E. Goodier, *Utica, N. Y.*

{ Eric H. Johnson, *Putnam*

{ Charles S. Miller, *Rochester, N. Y.*

{ Frank W. Murray, *Goshen, N. Y.*

Frederick Rufus Sanford, *Waterbury*

The graduating class numbered one hundred and sixteen.

APPOINTMENTS FOR JUNIOR EXHIBITION,

IN THE UNDERGRADUATE ACADEMICAL DEPARTMENT, MARCH 22, 1877

ORATIONS

GEORGE L. CURTIS, *Canandaigua, N. Y.*

CLARENCE H. KELSEY, *Bridgeport*

GEORGE T. KNOTT, *Springfield, Mo.*

GEORGE S. PALMER, *Montville*

ALFRED L. RIPLEY, *Andover, Mass.*

WILLIAM H. TAFT, *Cincinnati, O.*

William M. Aber, *Oswego, N. Y.*

Harlan P. Beach, *South Orange, N. J.*

Frank A. Beckwith, *Waterbury*

Douglas P. Birnie, *Springfield, Mass.*

Harry C. Coe, *New Haven*

Stanley W. Dexter, *San Francisco, Cal.*

Burgess S. Hurtt, *New Haven*

John G. Jennings, *Cleveland, O.*

Charles Parsons, *New York City*

Edward H. Seely, *Brooklyn, N. Y.*

Charles S. Shepard, *Buffalo, N. Y.*

William E. Waters, *Cincinnati, O.*

George C. Ackerman, *New Haven*

Oliver W. Brown, *Norwich*

Hollis W. Cobb, *Shrewsbury, Mass.*

Charles A. Feick, *Newark, N. J.*

Edward W. Flagg, *Northboro', Mass.*

Edward L. Morse, *Poughkeepsie, N. Y.*

Walter Squires, *New York City*

Edgar H. Stone, *Sioux City, Iowa*

Edward B. Whitney, *New Haven*

Reynold W. Wilcox, *Madison*

DISSERTATIONS

Arthur P. Dana, *Wellesley, Mass.*

Charles H. Dilley, *Watertown, N. Y.*

Edward P. Hickox, *Washington*

William K. James, *Hamburg, Iowa*

James M. Lamberton, *Harrisburg, Pa.*

John I. McDonald, *St. Joseph, Mo.*

Walter L. Merwin, *Durham*

Philip W. Moen, *Worcester, Mass.*

Lawrence H. Schwab, *Fordham, N. Y.*

Benjamin R. Wendell, *Cazenovia, N. Y.*

Charles P. Woodbury, *Norwalk*

DISPUTES

Roger S. B. Foster, *Boston, Mass.*

Louis Hood, *Newark, N. J.*

James B. McEwan, *Albany, N. Y.*

John N. Peet, *Brooklyn, N. Y.*

Joseph A. Ticknor, *New Marlboro', Mass.*

Henry M. Hoyt, *Wilkes-Barre, Pa.*

Joseph I. Tayntor, *Marlboro', Mass.*

George Trowbridge, *New York City*

John Trumbull, *Valparaiso, Chili*

Clarence S. Woodruff, *Wilkes-Barre, Pa.*

COLLOQUIES

Isadore N. Bloom, *Louisville, Ky.*

Charles E. Briggs, *Rockford, Ill.*

George W. Burton, *Manchester, Vt.*

Andrew F. Currier, *Poughkeepsie, N. Y.*

Archibald A. Dershimer, *Falls, Pa.*

Albert B. Fifield, *Providence, R. I.*

William T. Gilbert, *Brooklyn, N. Y.*

Carlton R. Jewett, *Moravia, N. Y.*

John P. McCune, *Columbus, O.*

Frank V. McDonald, *S. Francisco, Cal.*

Edwin W. Smith, *Pittsburgh, Pa.*

Edward W. Smith, *West Meriden*

George P. Whittlesey, *Washington, D. C.*

William P. Belden, *New Haven*

Walter E. Dimmick, *Honesdale, Pa.*

George E. Gilbert, *New Haven*

Joseph W. Hill, *Westport*

Frederick B. Lathrop, *Tolland*

Clinton Spencer, *Suffield*

Arthur B. Taylor, *Springfield, Mass.*

Harold S. Van Buren, *Englewood, N. J.*

William A. Van Buren, *Covington, Ky.*

FELLOWS

DOUGLAS Fellow—ELISHA S. BOTTUM, B.A., Class of 1876

SOLDIERS' Memorial Fellow—GEORGE E. BUSHNELL, B.A., Class of 1876

SCHOLARS OF THE HOUSE

BERKELEY Scholar—Class of 1875—HENRY M. WALRADT, B.A.

BRISTED Scholar—Class of 1876—ARTHUR T. HADLEY, B.A.

CLARK Scholar—Class of 1876—GEORGE L. STERLING, B.A.

CLARK Scholar—Class of 1877—ALEXANDER M. WILCOX, B.A.

LARNED Scholar—Class of 1877—ALEXANDER M. WILCOX, B.A.

W. W. DEFOREST Scholar—Class of 1877—JOHN S. THACHER, B.A.

WOOLSEY Scholar—Class of 1878—CLARENCE H. KELSEY

WOOLSEY Scholar—Class of 1879—ERNEST CARTER

WOOLSEY Scholar—Class of 1880—WILLIAM M. HALL

HURLBUT Scholar—Class of 1880—DICKINSON W. RICHARDS

THIRD FRESHMAN Scholar—Class of 1880—ARTHUR E. WALRADT

PREMIUMS AWARDED DURING THE YEAR 1876-77

UNIVERSITY PRIZE

JOHN A. PORTER Prize—Myron H. Phelps, B.A.

UNDERGRADUATE ACADEMICAL DEPARTMENT

CLARK Scholarship—Class of 1877—Alexander M. Wilcox

LARNED Scholarship—Class of 1877—Alexander M. Wilcox

W. W. DEFOREST Scholarship—Class of 1877—John S. Thacher

WOOLSEY Scholarship—Class of 1880—William M. Hall

HURLBUT Scholarship—Class of 1880—Dickinson W. Richards

THIRD FRESHMAN Scholarship—Class of 1880—Arthur E. Walradt

DEFOREST Medal—Class of 1877—Edwin B. Goodell

TOWNSEND Premiums for English Composition—Class of 1877—Edwin R. Dillingham, Samuel L. Eaton, Edwin B. Gager, Arthur R. Kimball, William H. Upton

SENIOR Mathematical Prizes—Class of 1877—1st and 2d Prizes, with medal, Orray T. Sherman

CLARK Premiums for solution of Astronomical Problems—Class of 1877—1st Prize, Henry M. Rood; 2d Prize, Orray T. Sherman.

WINTHROP Prizes—Class of 1878—1st Prize, William E. Waters; 2d Prize, Louis Hood

SCOTT Prize in French—Class of 1878—Rudolf Wurts

SCOTT Prize in German—Class of 1878— $\left\{ \begin{array}{l} \text{George L. Curtis} \\ \text{Clarence H. Kelsey} \end{array} \right.$

COLLEGE PREMIUMS IN ENGLISH COMPOSITION

Class of 1877—1st Rank, John B. Atwater, John K. Beach, Charles C. Camp, Edwin B. Gager, Thomas D. Goodell, J. Gilpin Pyle, John S. Thacher, William H. Upton, Alexander M. Wilcox; 2d Rank, Samuel L. Eaton, Edwin B. Goodell, John E. Keeler, William H. Kelsey, Arthur R. Kimball, Webster Merrifield, Frank H. Platt

Class of 1879—1st Term

<i>1st Prizes</i>	<i>2d Prizes</i>	<i>3d Prizes</i>
Lucien F. Burpee	Amos L. Hatheway	Louis S. DeForest
George F. Foster	George W. Kirchwey	Henry Hitchcock
Louis J. Swinburne	Malcolm M. McKenzie	Charles L. Merriam
Ambrose Tighe	Ivan M. Marty	William C. Merritt

Class of 1879—2d Term

<i>1st Prizes</i>	<i>2d Prizes</i>	<i>3d Prizes</i>
Lucien F. Burpee	George F. Foster	Henry H. Donaldson
Amos L. Hatheway	Frank Jones	Edward S. Fowler
Louis J. Swinburne	Charles Miller	George W. Kirchwey
Ambrose Tighe	Louis D. Syle	Frederick S. Smith

JUNIOR EXHIBITION PREMIUMS—CLASS OF 1878

1st Prize, Frank A. Beckwith; 2d Prizes, Harlan P. Beach, Harry C. Coe, George L. Curtis, Roger S. B. Foster, Louis Hood, William K. James, Edward H. Seely, William H. Taft, Edward B. Whitney

PREMIUMS FOR DECLAMATION—CLASS OF 1879

1st Prize, Bruce S. Keator and William N. Parker; 2d Prize, William W. Bailey; 3d Prize, Henry S. Green

PREMIUMS FOR SOLUTION OF MATHEMATICAL PROBLEMS

Class of 1879—1st Prizes, Harry Lyne, Henry J. Ten Eyck; 2d Prize, Henry C. Crouch; 3d Prize, Chun Lung

Class of 1880—1st Prize, Frank W. Hopkins; 2d Prize, William M. Hall and Dickinson W. Richards; 3d Prize, Frank Goodrich and Arthur E. Walradt

BERKELEY PREMIUMS FOR LATIN COMPOSITION

Class of 1880—1st Prizes, John A. Amundson, William M. Hall, Edward P. Noyes, William H. Sherman, George D. White, Lawrence Wilkinson; 2d Prizes, William B. Hill, Frank W. Hopkins, Edward C. Spencer, Harry W. Taft, Arthur E. Walradt, William C. Wheeler

SHEFFIELD SCIENTIFIC SCHOOL

Class of 1877

FOR EXCELLENCE IN GEOLOGY AND ZOOLOGY, the Belknap prize awarded to Henry L. Taylor, New York City.

FOR EXCELLENCE IN ENGLISH LITERATURE, the prize divided between Joseph G. Calhoun, Hartford, and Horace C. Howard, Townshend, Vt.

FOR EXCELLENCE IN GERMAN, the prize awarded to Henry L. Taylor, New York City.

FOR EXCELLENCE IN FRENCH, the prize awarded to Henry L. Taylor, New York City.

FOR EXCELLENCE IN CIVIL ENGINEERING, the prize awarded to Joseph P. Iddings, Orange, N. J.

Class of 1878

FOR EXCELLENCE IN THE MATHEMATICS OF JUNIOR YEAR, the prize awarded to Walter L. Cowles, Wallingford.

FOR EXCELLENCE IN CHEMISTRY, the prize divided between Edward E. Brewster, West Cornwall, and Edward H. Smith, Brooklyn, N. Y.

FOR EXCELLENCE IN MINERALOGY, the prize awarded to Edward E. Brewster, West Cornwall.

Class of 1879

FOR EXCELLENCE IN ALL THE STUDIES OF FRESHMAN YEAR, the prize divided between Lindon Bates, Chicago, Ill., and George A. Saunders, Newport, R. I.

FOR EXCELLENCE IN GERMAN, the prize awarded to William J. Comstock, Toledo, O.

FOR EXCELLENCE IN MATHEMATICS, the prize divided between Lindon Bates, Chicago, Ill., and George A. Saunders, Newport, R. I.

FOR EXCELLENCE IN PHYSICS, the prize divided between George A. Saunders, Newport, R. I., and Herbert E. Smith, Hartford, with honorable mention of Albert L. Webster, Bethlehem, Pa.

FOR EXCELLENCE IN MECHANICAL DRAWING, the prize divided between Roger C. Ballard, Louisville, Ky., and Samuel E. Barney, New Haven, with honorable mention of Lindon Bates, Chicago, Ill.

Class of 1880

FOR THE BEST ENTRANCE EXAMINATION, Ernest T. Liefeld, of New Haven, Conn., from the New Haven High School.

LAW DEPARTMENT

JEWELL PRIZE (\$50), to the student passing the best examination at his graduation—Hamilton Mercer Wright, B.A., New Haven.

JEWELL PRIZE (\$50), for the best dissertation from a member of the Senior Class, on "The English Judicature Acts of 1872-73-74"—Charles G. Root, Waterbury.

Committee of Award: Hon. John H. Latrobe, Baltimore, Md.

Prof. John P. Poe, Baltimore, Md.

JEWELL PRIZE (\$50), for the best dissertation from a member of the Junior Class, on "The Power of Courts to restrict Cross-Examination."—Henry A. James, Baltimore, Md.

Committee of Award: Samuel C. Perkins, Esq., Philadelphia.

Henry Arnitt Brown, Esq., Philadelphia.

BETTS PRIZE (\$50), to the member of the Junior Class receiving the highest marks at his annual examination—Burton Mansfield, PH.B., New Haven.

TOWNSEND PRIZE (\$100), to the student pronouncing the best oration at his graduation—Lucius P. Deming, New Haven.

Committee of Award: Hon. John N. Kasson, Des Moines, Iowa.

Hon. Wm. W. Crapo, New Bedford, Mass.

Hon. David B. Green, Pottsville, Pa.

HONORS*

Class of 1877

Hamilton M. Wright, B.A. (Jewell Prize)

Charles G. Root,

James H. Webb, B.S.

Alfred N. Wheeler, PH.B.

Edward L. Lindsley.

Class of 1878

Burton Mansfield, PH.B. (Betts Prize)

William F. Booth, B.A.

Oliver E. Lyman, B.A.

John C. Talcott, B.A.

Theodore K. Long.

* This list comprises the names of the five in each class who received the highest marks at its annual examination.